

# NICHOLAS COREL

Software Engineer One Full-time

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## Experience

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| Kraken Technologies                                                                                                                                                                                                                                                                                                                                        | London            |
| Software Engineer One Full-time                                                                                                                                                                                                                                                                                                                            | 07/2023           |
| <ul style="list-style-type: none"><li>Python Backend Web Developer utilising the Django framework</li><li>In the Communications Voice team, which is responsible for what happens when a customer calls our energy client's customer support</li><li>Work closely with Twilio which provides all the low level functionality for the phone calls</li></ul> |                   |
| Steel Eye                                                                                                                                                                                                                                                                                                                                                  | London            |
| Software Engineer Intern                                                                                                                                                                                                                                                                                                                                   | 06/2021 - 05/2022 |
| <ul style="list-style-type: none"><li>Created automated data pipelines for various functions, using Elastic Search and AWS. Including: Daily data ingestion, and Internal audits</li><li>Developed a JIRA service which enabled JIRA tickets to execute internal tools, such as, creating a user on the platform, or resetting MFA</li></ul>               |                   |
| Wagner College                                                                                                                                                                                                                                                                                                                                             | New York          |
| Computer Science & Mathematics Tutor                                                                                                                                                                                                                                                                                                                       | 02/2019 - 05/2022 |
| <ul style="list-style-type: none"><li>Taught students (including but not limited to); Calculus (1, 2 and 3), Linear Algebra, Discrete, and Python</li></ul>                                                                                                                                                                                                |                   |

## Education

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| Wagner College                                                                                                                                             | New York          |
| Bachelor of Science in Computer Science and Mathematics                                                                                                    | 08/2018 - 05/2022 |
| <ul style="list-style-type: none"><li>Dorothy Schaffer Award (outstanding achievement in Comp Sci &amp; Math)</li><li>GPA: 3.64 (3.98 Major GPA)</li></ul> |                   |

## Languages and Technologies

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Python · Javascript · C++ · SQL · HTML · CSS · Swift

Django · Git · Docker · React · Tailwind CSS

## Projects

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| University Shuttle App                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | New York          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 06/2022 - 10/2022 |
| IOS & Android App                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                   |
| <ul style="list-style-type: none"><li>Wagner College operated a shuttle service between the campus and the Staten Island ferry, costing approximately \$400,000 annually</li><li>The shuttle was severely underutilized, with only 10-15% of trips carrying students, leaving 90% of the trips redundant</li><li>I proposed developing an iOS and Android app, similar to Uber, to allow students to request the shuttle as needed</li><li>The app was projected to reduce unnecessary trips and save the university up to 80% in operational costs, roughly \$320,000 annually</li><li>I offered to develop the app at no upfront cost, requesting only 50% of the savings generated over two years, incurring zero financial risk for the university</li><li>I put together a detailed proposal, demonstrating how we could reduce costs while maintaining the quality of the shuttle service</li><li>Despite the clear benefits, some members of the university administration were too apathetic to act on the proposal</li><li>Consequently, due to the high cost of the service and cutbacks in funding due to financial downturn, the university decided to drastically cut the shuttle service schedule and frequency of trips, degrading the quality of a service that students heavily relied on. An unfortunate outcome</li></ul> |                   |

## Interests & Hobbies

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2008-2018 Track athlete competed in 800m and 1500m at state level. 500 hours of professional coaching, inspiring and helping athletes reach their potential.

2013 - 2022 Played CSGO semi-professionally (E-sports). I was offered a professional contract but decided not to pursue this career.

I love to travel. I have lived in 4 different cities and been to many more. I was born in Hong Kong, raised in Sydney, went to university in New York, and work in London.