




Nicholaus Suprpto

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Summary of Qualifications	<ul style="list-style-type: none">- Languages: Python, C/C++, Java, Javascript, SQL, R, HTML5, CSS3- Technologies: PostgreSQL, MySQL, MongoDB, Git, Heroku, Netlify, Jira, Salesforce- Self-motivated team player with cooperative skills established through collaborative projects- Proven communication skills by various involvement in leadership and formal positions- Fast learner with competent time management skills to deliver constant quality results	
Education	University of Waterloo <ul style="list-style-type: none">- Candidate for Bachelor of Computer Science, Honours Computer Science Co-op	2020 - 2025
Experience	Paramount Commerce Merchant Integration Analyst Intern <ul style="list-style-type: none">- Utilized SQL queries to gather transaction data and extract information for merchant integrations- Certified merchant integrations in the staging environment to meet compliance requirements- Documented request parameter constraints and errors for all internal products to speed up the merchant integration process- Assisted the company-wide Salesforce migration by migrating all Merchant Integration Jira tickets and created new Reports and Dashboards in Salesforce- Researched and recommended mobile emulator tools to simplify the current automated and live testing practices University of Waterloo Mathematics Tutoring Center Undergraduate Tutor <ul style="list-style-type: none">- Provided extended learning to students enrolled in M135/136: Linear Algebra and M137/138: Calculus to help them improve academic performance and gain better knowledge for the course	Remote Work Sept 2021 - Dec 2021 Waterloo, ON Jan 2022 - Present
Projects	Biquadris  <ul style="list-style-type: none">- Collaborated in creating Biquadris, a command line version of Tetris, using C++.- Implemented the MVC architecture pattern where players enter their command on the terminal and displays the board in a graphical interface using the X11 library- Implemented the Observer design pattern for cells and the Decorator design pattern for the board Maze Solver  <ul style="list-style-type: none">- Collaborated in creating a maze solver web application where users can create a maze in the web interface created using Pixi.js which will be solved by our algorithm using Breadth-First Search- Implemented the backend of the website using Express.js and designed the database to store maze data using MySQL TraceNext  <ul style="list-style-type: none">- Built a contact-tracing web application using Flask web framework that allows users to add previously visited locations and alert specific users if there has been contact with Covid patients- Implemented dynamic HTML pages using Jinja2 and used Google Maps API to add maps feature- Utilized Heroku Postgres Database to store web data and used SQLAlchemy ORM to retrieve data	September 2021 August 2021 TOHacks, May 2021
Achievements	<ul style="list-style-type: none">- Oracle Certified Associate, Java SE 8 Programmer- Harvard University CS50x Completion- American Mathematics Competition 10 Second Place	2021 2020 2019
Personal Interests	<ul style="list-style-type: none">- Hackathons: GarudaHacks 2020, TOHacks 2021- Writing / Personal Blog	