Nicholaus Suprapto

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Summary of Qualifications	- Languages: C, C++, Java, Python, SQL, Javascript, HTML5, CSS3 - Technologies: Jira, Salesforce, Git, PostgreSQL, MySQL, MongoDB, Flask, Heroku, Netlify - Oracle Certified Associate Java Programmer - 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** *2020 - 2025* - Candidate for Bachelor of Computer Science, Honours Computer Science Co-op

Experience	**Paramount Commerce** Remote Work **Merchant Integration Analyst Intern** *Sept 2021 - Dec 2021* - 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 - Researched and recommended mobile emulator tools to simplify the current automated and live testing practices - Assisted the company-wide Salesforce migration by migrating all Merchant Integration Jira tickets and created new Reports and Dashboards in Salesforce **University of Waterloo Mathematics Tutoring Center** Waterloo, ON **Undergraduate Tutor** *Jan 2022 - Present* - 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

Projects	**Biquadris** ⦿ *September 2021* - 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** ⦿ *August 2021* - 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** ⦿ TOHacks, *May 2021* - 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

Achievements	- Oracle Certified Associate, Java SE 8 Programmer *2021* - Harvard University CS50x Completion *2020*

Personal Interests	- Hackathons: GarudaHacks 2020, TOHacks 2021 - Writing / Personal Blog