**Nicholaus Suprapto**  nsuprapt@uwaterloo.ca

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**Summary of**  - Languages: C, C++, Java, Python, SQL, Javascript, HTML5, CSS3

**Qualifications** - Technologies: Flask, PostgreSQL, MySQL, MongoDB, Git, Heroku, Netlify, Jira, Salesforce

- 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

- Relevant Courses: Algorithms, Object-Oriented Programming

**Experience Paramount Commerce** Toronto, CA

**Merchant Integration Analyst Intern** *Sept 2021 - Dec 2021*

- 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 creating new Reports and Dashboards in Salesforce

**University of Waterloo Tutoring Center**

**First-year Tutor**

**University of Waterloo Indonesian Student Association**

**Treasurer**

**Generation Girls**

**Mentor**

**Projects Biquadris** September 2021

- Collaborated in creating Biquadris, a Latinization of the game Tetris, using **C++**. Each player takes turns to move generated blocks across the board and earn points for every line cleared

- 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** and our algorithm will find the shortest path to solve the maze

- Implemented the backend of the website using **Express.js** and designed the database to store maze data using **MySQL**

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Description automatically generated](https://github.com/ininicho/TO-Hacks-2021) **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 and autocomplete location search

- 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*

- American Mathematics Competition 10 Second Place *2019*

- Euclid Mathematics Contest Distinction *2019*

- Canadian Senior Mathematics Contest Distinction *2019*

**Personal** - Hackathons: GarudaHacks 2020, TOHacks 2021

**Interests** - Mountain Hiking

- Writing / Personal Blog