


Nicholaus Suprpto

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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

- 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

Generation Girls Winter Club

Remote Work

Website Class Mentor

Dec 2021

- Designed classroom materials and projects to introduce high school students with HTML, CSS, Javascript, and Git basics during the bootcamp
- Introduced Bootstrap to help create responsive website design and Github Pages to deploy static HTML pages as part of the final project

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
- Harvard University CS50x Completion

2021

2020