Filipo Marcellino

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TECHNICAL SKILLS

Languages: Java, Python, C/C++, SQL (Postgres), JavaScript, HTML/CSS, Assembly, Haskell, Rust
Frameworks/Libraries: React.js, Next.js, Node.js, Express.js, Bootstrap, Tailwind, Chai, Mocha, Spring **Developer Tools**: Git, VS Code, IntelliJ, PyCharm, Eclipse, Heroku, Vercel, MacOS, Unix, Linux

EXPERIENCE

Computer Science Teaching Assistant   May 2022 – Current
Langara College   *Vancouver, BC*
- Offers individualized computer science tutoring for first and second-year courses, resulting in increased understanding and success among students.
- Collaborates with multiple instructors to provide support for computer science course materials
- Marks 80+ programming assignments every week and provides timely, detailed feedback to students

PROJECTS

SFU reddit clone | *Typescript, Next.js, Firebase, Chakra UI, Recoil* | ⦿ | 🔗   February 2023 – Current
- Recreated Reddit for SFU students using Next.js
- Utilized recoil and created **custom react hooks** to effectively manage states across different components
- Designed a robust **noSQL** database solution using **firebase**, resulting in improved system performance

Pikko e-commerce website | *Next.js, MongoDB, Tailwind, ReactRedux* | ⦿ | 🔗   January 2023 – Current
- Developed an e-commerce web application using **Next.js**, enabling customers to easily purchase salad bowls online
- Integrated **Paypal API** to enable seamless transactions
- Implemented a data storage solution using **MongoDB and Mongoose**, resulting in efficient data retrieval time and organized database structure

Splittr | *React.js, Node.js, HTML, CSS, JavaScript, PostgreSQL* | ⦿   May 2022 – August 2022
- Built a full-stack website using **React.js** and **Node.js** that allows users to track bills and other shared expenses
- Developed unit and functional test cases using **mocha** and **chai** to help validate backend code
- Contributed to a team of 4 developers, utilizing Git for version control to effectively manage code changes

Package Deliveries Tracker | *Java, Java Swing, Spring boot, Gson* | ⦿   April 2022 – August 2022
- Developed a mock package tracker using **Java Swing** with proper Object-oriented methodology
- Designed a robust **RESTful API** using Spring Boot's RestController, resulting in increased functionality and better scalability for future updates
- Implemented efficient data storage solution by converting Java classes to JSON using Gson

ORANIZATIONS

SFU Indonesian Association Website Webmaster | *Next.js, Bootstrap* | ⦿ | 🔗   July 2022 – Current
- Operated in a team of 3 to build a website for the Indonesian Association club at SFU
- Worked in an **agile** environment using Kanban methodology to manage and track progress

EDUCATION

Simon Fraser University   May 2022 – April 2024
Bachelor of Science, Computing Science in Software Systems   *Burnaby, BC*
- Relevant Courses: Distributed Systems, Software Engineering, Object Oriented Design, Database Systems, Operating Systems, Networking

Langara College   September 2020 - April 2022
Associate of Science, Computer Science   *Vancouver, BC*
- GPA: 3.95