

SEAN TAN

GitHub: seantan22
LinkedIn: seankltan
Portfolio: <https://seantan.software>

3005 Jennings Road, Kensington, MD 20895
240.938.2528 | sean.tan@mail.mcgill.ca

Objective: Results-driven individual with four years of software development experience. Aiming to leverage my programming and computer science skills in a software engineering intern role from May 2021 – August 2021.

EDUCATION

Bachelor of Software Engineering, B.S.E.

September 2017 - April 2022

Minor: Aerospace Engineering

GPA: 3.27/4.00

McGill University, Montréal, QC

Relevant Coursework: Applied Machine Learning, Algorithm Design, Algorithms & Data Structures, Database Systems, Model-Based Programming, Software Development, Software Systems, Software Validation, Operating Systems

Communication Arts Program Diploma

August 2013 - May 2017

Montgomery Blair High School, Silver Spring, MD

cGPA: 3.85/4.00 wGPA: 4.59/5.00 ACT: 34

SKILLS AND CERTIFICATIONS

Programming Languages: Java, Python, C, C++, C#, JavaScript, Typescript, Swift, SQL, Git, Bash, HTML, CSS

Frameworks/Environments: React, Rails, Node, PostgreSQL, MongoDB, Vue, Bootstrap

Certifications: Deep Learning Specialization (Coursera), SQL for Data Science (Coursera)

WORK EXPERIENCE

Ericsson – Full-Stack Software Developer Intern

January 2021 - Present

Montreal, QC

- Contribute to Eclipse-Theia, an open-source cloud and desktop integrated development environment (IDE) framework
- Utilize Typescript and Node.js to improve overall user experience, implement new features, and fix issues & bugs
- Collaborate closely with the Theia development team using agile scrum methodologies (Daily scrum meetings, Kanban, Jira)

Freelance Web Developer

June 2020 - Present

Kensington, MD

- Increasing online revenue for local businesses during Covid-19 by helping to set up and manage e-commerce websites.
- Demonstrating ability to work remotely while effectively meeting client demands and providing personalized services.
- Consulting with clients to add custom features to their websites including Zoom class purchasing and new user registration.

PROJECTS

Parachute – Co-Founder – Beverage Delivery Service

May 2019 - Present

- iOS application that provides an interface for students to order and deliver beverages on campus, add friends and message.
- Application built using Swift, Node.js with Express for RESTful APIs, and MongoDB for user, order and transaction storage.

BeatSwitch – Personal Project – Spotify Web App – <https://beat-switch.herokuapp.com/>

July 2020

- Web application for DJs to find songs based on tempo and view track features like popularity and musical key.
- Built using Node.js with Express for authentication and RESTful APIs, React, and the Spotify API.

Ethereum Point-of-Sale Terminal – <https://ethpos-frontend.herokuapp.com/>

October 2019 - June 2020

Blockchain at McGill, Montréal, QC

- Created a point-of-sale terminal enabling vendors to accept Ethereum or ERC-20 Tokens with a 95% success rate
- Used Solidity for writing smart contracts on the Ethereum blockchain, React with Bootstrap for the web frontend

Autonomous Robot – Software Lead

January 2020 - April 2020

ECSE 211 Design Principles and Methods, McGill University

- Designed the software architecture for a 3D-printed autonomous Mindstorms robot capable of finding and retrieving a lost cart.
- Used Java to write localization, navigation and object avoidance algorithms.
- Team received 1st place honors in course-wide competition based on overall performance.

EXTRACURRICULAR ACTIVITIES

Varsity Men's Lacrosse – McGill University

August 2017 - Present

- Demonstrating exceptional time-management skills by committing 20+ hours per week while balancing a full academic course load
- *Titles:* 2017, 2018 East Conference Champions; 2017, 2018, 2019 National Semi-Finalists

ADDITIONAL EXPERIENCE

YHack Hackathon Participant

Yale University, New Haven, CT

October 2019