

# SEAN TAN

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**Objective:** Results-driven individual with four years of software engineering experience. Seeking an opportunity to leverage my programming and computer science skills in a full-time software engineering role beginning May 2022.

## EDUCATION

**Bachelor of Software Engineering, B.S.E.** **September 2017 - April 2022**  
Minor: Aerospace Engineering GPA: 3.32/4.00

McGill University, Montréal, QC

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

**Communication Arts Program Diploma** **August 2013 - May 2017**  
cGPA: 3.85/4.00 wGPA: 4.59/5.00 ACT: 34

Montgomery Blair High School, Silver Spring, MD

## SKILLS AND CERTIFICATIONS

**Programming Languages:** Golang, JavaScript, Typescript, Java, Python, C, C++, C#, Swift, SQL

**Frameworks/Environments:** React, Node, PostgreSQL, MongoDB, Bootstrap, Git, Google Cloud Platform

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

## INTERNSHIPS

**Particle Health – Software Engineer Intern** **May 2021 - Present**  
New York, NY

- Contributed to API products enabling clients to securely and conveniently access patient health data across the United States.
- Implemented metrics gathering and logging in the main API to allow both administrators and clients view API usage patterns.

**Ericsson – Software Developer Intern** **January 2021 - April 2021**  
Montreal, QC

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

## 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

## ADDITIONAL WORK EXPERIENCE

**Pitango Gelato – Shift Manager** **May 2018 - August 2021**  
Bethesda, MD

- Responsible for leading 2-5 employees per shift, training new hires, store operation, and ensuring a high-level customer experience.
- Worked under 5 different store managers over the course of employment and adapted my skills to fit the managerial styles of each.

**Freelance Web Developer** **June 2020 - December 2020**  
Kensington, MD

- Increased online revenue for local businesses during Covid-19 by helping to set up and manage e-commerce Wordpress websites.
- Consulted with clients to add custom features to their websites including Zoom class purchasing and new user registration.

## 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