



# Tony Chen

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## EDUCATION

### 4th Year, Business and Computer Science

University of British Columbia, Vancouver, BC

- Cumulative GPA 3.80, Dean's Honour Roll (2015W, 2016W)
- Entered university at the age of 16

Planned Graduation: May 2020

## LANGUAGES AND TECHNOLOGIES

**Programming:** C# (.NET and Service Fabric), Java, Python, SQL, JavaScript (React-Redux, Express)

**Tools:** Visual Studio (+ ReSharper), Android Studio, IntelliJ, GitHub (UI + CLI), Chrome Dev Tools

**Infrastructure:** Couchbase, CosmosDB, MongoDB, Heroku, SQL Databases, Microsoft Azure

**Testing:** Unit (XUnit, NUnit, Chai), Selenium

## WORK EXPERIENCE

### Platform Engineer – Co-op (Until December 2019)

Mojio – Head Office, Vancouver, BC

- Full-stack development using C# .NET MVC, hosted on Azure Service Fabric on a small focused team of four developers.
- Worked on an unreleased project with T-Mobile US and Telefonica, communicating with them when necessary.
- Maintained stateful and stateless services for Service Fabric, using Couchbase and Cosmos as state providers.
- Worked on our NSEP communications platform and performed testing with our NSEP simulator.
- Developed data-collection systems such as webhooks from Segment and logging to Kibana (Elastic) and Graphite.

May 2019 – Present

### Junior Software Developer & Quality Assurance Intern

Paragon Testing Enterprises – Head Office, Vancouver, BC

- Full-stack development using C# .NET MVC, AngularJS in a team of 18 developers working in three-week sprint cycles.
- Wrote stored procedures in SQL in order to produce SSRS Reports as requested by inter-departmental stakeholders.
- Performed Behaviour Driven Testing using SpecFlow, NUnit, and Selenium on Paragon's web applications.
- Onboarded new Co-op students in January, introducing them to the codebase and enabling them for success.

Sept 2018 – Apr 2019

## PROJECTS

### NBA Stats (CPSC 436I – 2019S) – Meteor React-Redux, Heroku, MongoDB

- Designed and built a website for NBA viewers, complete with news, user login, match stats in a team of three students.
- Used various react packages such as Bulma, Redux-Thunk, and Recharts to create a seamless user experience.
- Allowed users to participate in forum discussion, based on matches or stats comparisons that the user finds interesting.
- Hosted the main webapp as well as a back-end API on Heroku complemented with Papertrail.
- Improved teamwork by managing GitHub issues, planning sprint cycles, and taking on code refactoring tasks.

Apr 2019 – Aug 2019

### Counter-Strike Match Data & Analysis Website – Node.js, Heroku, Firebase

- Displayed data using an existing API for HLTV.org in order to reduce unnecessary data usage for mobile, on-the-go users.
- Produced a discussion board on each match and result page using Firebase.
- Prevented simultaneous transactions through implementing mutex locks to keep data consistent.

Nov 2018 – Mar 2019

### Message Board for First Responders (Lumohacks 2018) – Node.js, MongoDB, Google Maps API

- Created a message board in Node.js to help first responders regain a positive mindset and communicate with their loved ones, friends, and anonymous supporters.
- Allowed users to search for nearby restaurants or services using the Google Maps API.

Sept 2018

## OTHER EXPERIENCES:

- **Tutor, Commerce Mentorship Program** – teaching review lectures for students and hosting one-on-one sessions as needed, receiving very positive reviews. Working with professors to prepare lecture and study material.
- **Research Associate, Westpeak** – writing financial analysis published on Seeking Alpha. Completed report on TSE:HWD.
- **Member, Mensa** – participating in online forums as a qualified member of Mensa Canada.