

Tony Chen

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EDUCATION

Bachelor of Commerce – Business and Computer Science Combined Major – with Honours Sept 2016 – Apr 2020
University of British Columbia, Vancouver, BC

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

LANGUAGES AND TECHNOLOGIES

Programming: C# (.NET and Service Fabric), Java, Python, SQL, JavaScript (React-Redux, Express)
Tools: CD/CI Pipelines, Visual Studio (+ ReSharper), Android Studio, IntelliJ, GitHub (UI + CLI), Chrome Dev Tools
Infrastructure: DynamoDB, AWS, Couchbase, CosmosDB, MongoDB, Heroku, SQL Databases, Microsoft Azure
Testing: Unit (XUnit, NUnit, Chai), Integration, Functional (Pipelines), Selenium

WORK EXPERIENCE

Software Development Engineer I – AWS Commerce Platform Aug 2020 – Present
Amazon Web Services – Vancouver, BC (YVR11)

- Primarily back-end development using Java, Coral, AWS DynamoDB and AWS Simple Workflows on a “two-pizza” team.
- Create tests to ensure code quality using CD/CI pipelines.
- Troubleshoot customer issues through usage of logs and AWS SNS Alarms.

Platform Engineer – Co-op May 2019 – Dec 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.
- Developed data-collection systems such as webhooks from Segment and logging to Kibana (Elastic) and Graphite.

Junior Software Developer & Quality Assurance Intern Sept 2018 – Apr 2019
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.

PROJECTS

Pokémon Giveaway Bot “MoistBot” – Python, Discord, Firebase Apr 2020 – Aug 2020

- Designed and built a Discord bot to collect votes and create giveaways based on the most popular Pokémon category.
- Produced a scalable design, where adding more Nintendo Switch clients does not produce additional overhead.
- Sought feedback from a Discord server of >5,000 users, providing on-demand troubleshooting when users had issues.
- Distributed 24,919 Pokémon over four months to 1,091 unique users over a four-month period.

NBA Connect (CPSC 4361 – 2019S) – Meteor React-Redux, Heroku, MongoDB Apr 2019 – Aug 2019

- 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.
- 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.

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.