Peter Chou

647-939-4145   peter.chou@mail.utoronto.ca   github.com/PeterChou1   linkedin.com/in/peter-chou1   personal.peter-chou.com

Education

University of Toronto   September 2018 - June 2023
Bachelor of Science - Computer Science Co-op
GPA: 3.4/4.0
Relevant Coursework: Web Programming, Data Structure, Object-Oriented Programming, Algorithm Design and Analysis, Operating Systems

Work Experience

University of Toronto (Toronto, ON) – Teaching Assistant   January 2022 – April 2022

- Instructed an introductory web development tutorial for 50 undergraduate students in **React**, **HTML**, **CSS** , **JavaScript**, resulting in a 90% student satisfaction rate.
- Led weekly practical sessions to reinforce web development concepts and provide hands-on experience to students
- **Skills**: React, HTML, CSS, JavaScript

Webapp.io (YC S20) (Toronto, ON) – Software Developer Intern   September 2021 – December 2021

- Built, and tested static code analysis tool for domain specific language in **VSCode** and **Jetbrains IDE** enabling faster development time by 10%.
- Co-implemented plugins system with senior developer enabling clients to write custom automation solutions using **Kubernetes**, **Docker** decreasing customer's workflow by 1 hour
- Implemented private deployment feature, protecting client development site from external viewers, using **Protobuf**, **PostgreSQL** and **GRPC**
- **Skills**: Django, Python, Kubernetes, Docker, PostgreSQL, GRPC

RBC (Toronto, ON) - Software Developer Intern   September 2020 – December 2020

- Integrated aggregate error monitoring feature into existing application monitoring platform using **Elasticsearch**, **Angular**, **SpringBoot** enabling faster triaging of production failures.
- Migrated existing monitoring backend API from **REST** to **GraphQL**. Enabling 50% faster response time.
- Setup automated API and Unit Testing using **Github Actions** reducing development error rates by 10%
- **Skills**: Angular, SpringBoot, Java, Elasticsearch, GraphQL

Buy Properly (Toronto, ON) - Software Developer Intern   Apr 2020 – August 2020

- Built, tested, and deployed company's first customer dashboard using **D3Js**, **Material UI** enabling users to manipulate and visualize their investments.
- Refactor customer on-boarding experience speeding up onboarding process by 10%
- Resolve 20 frontend bugs in **React** and backend bugs in **SpringBoot** improving Google Lighthouse Score by 15%
- **Skills**: React, SpringBoot, Java, D3Js, Tailwind CSS, PostgreSQL, AWS

Symcor (Toronto, ON) - Software Developer Intern   Jan 2019 – August 2019

- Actively collaborated with senior developers to document and modernize legacy code from **COBOL** to **Python**
- Setup automated **Selenium** scripts to retrieve project document saving development time by 1 hour per day
- Developed custom text editor in **Qt** to view proprietary file format
- **Skills**: C++, Qt, Python, COBOL

Projects

NaiveOracle (link)

- Built a proof of concept Oracle based off of chainlink original white paper
- **Skills**: Javascript, EthersJS, Hardhat

Rust OS (link)

- Developed a simple Operating System with a Task Scheduler, Thread Handling, and Interrupt Handling using **Rust**.
- **Skills**: Rust, Arm Assembly

Skills

- **Languages**: C++, Python, Javascript/Typescript, Java, C#
- **Databases**: MySQL, PostgreSQL, MongoDB
- **Other Skills**: Django, Docker, React, Angular, Git, NodeJs, AWS