

Peter Dang

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EDUCATION

University of Toronto

Hon. Bachelor of Science in Computer Science, Minor in Math

06/2024

EXPERIENCE

Jr. Software Support Engineer

Jan 2025 – Present

Enhesa | Microsoft SQL Server, Postgres, XML, Python, Selenium, Splunk, Jira

Toronto, ON

- Closed **50% of tickets** by working with CX and PMs to clear backlog, and escalating high-priority items to developers
- Saved developers hours by reproducing, documenting bugs, finding workarounds, querying and inspecting Splunk logs
- Reduced **90%** of manual workflows' time and effort by automating them with Python Selenium and SQL scripts
- Improved ticket management by using Jira labels and JQL to create Jira filters for tracking, and dashboards for metrics

Intern Software Engineer

May 2022 – May 2023

Veeva Systems | Java, Maven, Gradle, GitLab, Jenkins, Vagrant

Toronto, ON

- Delivered **30+ tickets** through the **SDLC** and **Agile Scrum** format, working in a team of developers, PMs, and QAs
- Implemented features using **Java** to validate imported XML/customer input, and automatically populate exported XML
- Led a feature development by owning and ensuring all tickets get pushed to production on time and bug-free
- Debugged code across 2 codebases by investigating data flow and utilized **Maven** and **Gradle** for local deployment
- Helped prevent **tens of hours** of downtime due to heavy traffic by adding timing metrics for commonly used endpoints

Software Developer Intern

May 2021 – May 2022

GerryConnect | Ruby on Rails, GraphQL, Docker, MySQL

Mississauga, ON

- Wrote scalable and reusable unit tests using **Ruby on Rails** framework and **GraphQL**
- Self-taught **Docker** and **MySQL** to troubleshoot backend code compilation and unit test execution
- Detected, documented and logged application defects such as design inconsistencies, functional bugs and workflow bugs
- Onboarded **hundreds of users** by setting up their tablet applications in initial product-rollout

PROJECTS

Open-Source Contributor | Ruby on Rails, JavaScript, Vue.js, C++

- Maintained code for [GitLab](#) using Ruby on Rails for backend and JavaScript + Vue.js for frontend
- Improved troubleshooting guide for developers installing GitLab locally on Windows using Oracle VirtualBox
- Top 20 contributors for GitLab December 2024 Hackathon, and top 35 contributors for GitLab January 2025 Hackathon
- Contributed bug-fixes to [Godot](#) game engine using C++ and Visual Studios

Aeromap | JavaScript, NodeJS, ExpressJS, ReactJS, Electron

- Designed and developed a **JavaScript** desktop application for the UofT aerospace team for usage in offline environments
- Built **REST API** requests between frontend and backend by setting up the middleware using **Node.js** and **Express**
- Fetched and parsed **thousands of data entries** into local JSON database by calling public airspace/aerodrome APIs

Blackjack | Python, numpy

- Created a single-player blackjack game on the command line using **Python** and **OOP**
- Trained a **Q-learning** model for optimal strategies by using **numpy** and fine-tuning reinforcement-learning parameters
- Achieved a **36%** win-rate with modeled strategies compared to 29% win-rate with random decisions

Tech Conference System | Java, FXML, CSS

- Developed a conference management program with user/event creation, scheduling and messaging functionalities
- Implemented a chat feature using **Java** and **SOLID design principles**, including a scalable backend and frontend

League of Legends Extension | Python, PySimpleGUI

- Fetched HTML/JSON data from Riot's API and other websites by writing a **Python** web-scraping program
- Parsed and converted **hundreds** of HTML/JSON files into information on an interactive **PySimpleGUI** interface
- Implemented alphabetical sorting, a filter for specific data and a search engine utilizing Python's **Regex**

SKILLS

Languages: Java, JavaScript, Python, SQL (GraphQL, MySQL), C, C++, Ruby, Racket, Assembly, HTML/CSS

Frameworks: NodeJS, ReactJS, ExpressJS, ElectronJS, numpy, Ruby on Rails

Developer Tools: Git, Maven, Gradle, Jira, Splunk, Jenkins, Confluence, Docker