

Eric Peng

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Education

University of Toronto

Computer Engineering

Sept 2019 - April 2024

Specialisation: Software, Computer Networks, and Artificial Intelligence

Skills

Programming Languages: C, C++, C#, JavaScript, Python, HTML, CSS, Typescript

Frameworks: Angular, Flask, PyTorch, ASP.NET, Express.js

Databases: PostgreSQL, MongoDB

Tools: Node.js, React, Git, Microsoft Office, UI Path, Power Apps, Power Automate,

Experience

Magna (Formally Veoneer)

Software Developer Intern

May 2023 - August 2023

- Designed and implemented desktop app using ASP .Net and Microsoft SharePoint connections allowing admins to scan the SharePoint forms custom barcodes generated using VBA code, with sign off speeds increasing by 85%

Veoneer Canada

Software Developer Intern

May 2022 - May 2023

- Upgraded multiple apps using .NET framework and iTAC API, to merge databases, track and record serial numbers into excel and edit module attributes for containment/testing
- Designed a full stack web application using MS SQL tables to store module build requests with ASP .Net web API calls to create and delete new build requests via a React UI
- Creating parsers in Python for computers on production lines to sort through CSV files
- Created custom forms using Power Apps and Power Automate Flows for SharePoint lists

Toronto Transit Commission

Electrical Engineering Assistant

May 2021 - August 2021

- Created and updated electrical and traction power design drawings via AutoCAD for PM ION 7650 Meters, neutral CT, under voltage relay, and breaker replacement

Projects

DubbLabs (start-up) - In Progress

- Create a MEAN stack web application where users can upload audio files and select the language they want to translate to, as well as the distribution platforms they want to upload to
- Include a dashboard for admins to see what the most popular languages being translated to are, the number of users using the web app, metrics for individual episodes

Events Planner

- Created a full stack web application for users to post and view events on campus using mainly React frontend, Flask backend, and PSQL database
- A monolithic architecture, multi-branch source control in Git and NPM package management
- Testing done with GitHub actions unit testing and linting before pull requests
- Some functionality included secure login, event creation, comments, rating and recommendation, and a report system with moderation

MAPPER

- In a team Designed a Geographic Information System in C++ using OpenStreetMap database
- Researched and problem solved to make the map more usable and responsive, search bars, zoom, scroll, street labels, colour coding, and buildings/landmarks
- Designed an algorithm for the travelling salesman problem using distance and angle heuristics, 2-opt, parallel computing, and simulated annealing (placed 10th of ~100 teams)