

Elena Wang

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EDUCATION

University of Toronto, St. George Campus

Sept 2018 – Present (expected: Jun 2023)

Honours BSc. Computer Science & Cognitive Science, Cumulative GPA: **3.7/4.0 (Dean's List)**

Coursework: Algorithm Design, Analysis & Complexity | Software Design & Engineering | Databases
Artificial Intelligence | Design of Interactive Computational Media | Natural Language Computing

EXPERIENCE

Intel Corporation | Software Engineer Intern

Sept 2021 – Aug 2022

Python, Perl, Angular, MongoDB, Node.js, Express, Elasticsearch, Kibana, Quartus Pro

- Worked with **Tools, Methodologies and Infrastructure** team to provide tools, infrastructure and support for FPGA IP development, testing and maintenance among entire department
 - Created and updated **weekly regression tests** using **Perl** and **Python** for all IP teams to use
- Enhanced and maintained various **dashboards** showing IP Portfolio, test data and changelogs
 - Used **MongoDB** and **ELK stack** to store and query test data for **8000+ IP's and devices**
- Worked **across organization** to provide support in bugfixing, quality control and data querying

Royal Bank of Canada (RBC) Amplify Program | Developer Intern

May 2021 – Aug 2021

React, CSS, Node.js, Express, PostgreSQL, Figma, Vault

- Collaborated with **Wealth Management** and **P&CB** teams in RBC to develop a solution for financial management within the caregiving space, with plans for **production** within 3 years
- Built a **Node.js Express server** to support a knowledge-hub solution with existing **RBC API's**
- Used **PostgreSQL node packages** and **DBeaver** to manage a database for users
- Presented product to an audience of **300+ RBC employees and business leaders**, including the **group head** of Technology and Operations and various VP's

UofT Blueprint, Technology for Non-Profits | Front-end Developer

Sept 2020 – Apr 2021

React, CSS, Node.js, Express

- Collaborated in an internal team of 12 to develop a **React** website for UofT Blueprint – an organization that develops software for **non-profits** (uoftblueprint.org)

PROJECTS

Video Sharing Social App for Seniors (RBC AmpHacks Hackathon – Top 5)

Oct 2020

React, Bootstrap, CSS, Javascript, Node.js, Express

- Tackled the problem of social isolation in seniors by building a video sharing app to match users by interests
- Produced a uniform **React front-end** with login and menu pages by utilizing components, react-router, and Bootstrap
- Pitched product with 2 teammates to **10+ senior engineers at RBC**, placing in the **top 5** among 50+ participants

COVID-19 Cases Monitor Web App

Jul 2020

HTML, CSS, Bootstrap, Python, Flask

- Built a web app where users upload CSV files of COVID-19 data, apply filters, and return data in text, JSON, or CSV format
 - Programmed a **RESTful Flask API** allowing users to choose data by date and types of cases (e.g., active cases, deaths)
- Automated and optimized development by implementing **90% coverage** unit testing with pytest

PERSONAL ACHIEVEMENTS

President of the Global Youth Club

Oct 2016 – Jun 2018

- Organized multicultural potlucks for **1200 students and staff** with 20 volunteers donating diverse food from their cultures

Languages: English (Native), Mandarin Chinese (Fluent), French (Fluent), Japanese (Advanced)

PROGRAMMING

- Python
- Javascript
- Java
- C
- Perl
- HTML / CSS

SKILLS / TOOLS

- React
- Angular
- Bootstrap
- Node.js
- Express
- Flask
- PostgreSQL
- MongoDB
- ELK Stack
- Postman
- Vault (HashiCorp)
- Heroku
- Android Studio
- Quartus Pro
- Git / Github
- Perforce
- Agile
- Kanban / Scrum
- Github Actions