

Devin Zhou

3rd Year Computer Science Major

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Skills

Languages: JavaScript/TypeScript, HTML5, CSS3, Python, C/C++, R, SQL

Tools: ReactJS, VueJS, jQuery, Jest, Jenkins, Bootstrap, REST API, Linux, Git, Excel, Pandas, NumPy, PowerBI

Work Experience

Genesys | Software Developer

September 2021 – December 2021

- Developed various web applications for the Gamification UI team using **VueJS, TypeScript, HTML/LESS** to optimize user productivity in an agile development environment
- Pioneered a reusable and interactive Gamification component library using **StencilJS** and **StorybookJS** to decrease development time by **20%** and allow for scalability in future projects
- Streamlined the **Jenkins** pipeline and improved accessibility for build statuses by sending backend build notification updates to a Genesys chatroom using a webhook
- Ensured Gamification component functionality by writing thorough unit tests in **Jest** and Vue Test Utils

Communtech | Web Developer

January 2021 – April 2021

- Developed user-friendly websites using **HTML/CSS, JavaScript** and CMS platforms while leveraging SEO techniques to increase web traffic by **34%**
- Directed the website development of **10** small businesses affected by COVID-19, and raised customer conversion rates and online sales by **35%** and **18%** respectively
- Conducted multiple weekly meetings with stakeholders to evaluate growth and analyze data for project briefs while collaborating efficiently with teams to meet short project deadlines

Projects

uMigrate 🔗

- Created an interactive mobile app with **7** team members to provide university students with a community-oriented social network platform
- Built a responsive mobile app using **React Native, JavaScript** and **Expo CLI** following design specifications from the design team members
- Researched and applied industry standard frameworks and tools to create functional components improving code reuse and maintainability

COVID-19 Data Analysis 🔗

- Performed data wrangling and feature engineering on COVID-19 datasets using **Pandas** and **NumPy** to create output dataset for analysis
- Visualized data in an interactive dashboard using **PowerBI** and **Matplotlib** to investigate COVID-19 trends
- Forecasted trends in data using Linear Regression models from **Scikit-learn** on select pairwise metrics defined by the user

Education

University of Waterloo

September 2019 – April 2024

- Candidate for Bachelor of Computer Science, Business Specialization
- Excellent Academic Standing, Dean's Honour List
- Activities and Societies: Accounting and Finance Student Association (External Associate), AIESEC in Waterloo (Talent Management), Emerald Investment Analysts (Data Analyst)