JOLENE ZHENG

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🔗 jolenezheng.github.io

EXPERIENCE

Software Developer Intern | Hubdoc - A Xero Product
📅 Jan 2020 – PRESENT   📍 Toronto, ON

- Leveraging Node micro-services to **automate financial data aggregation** for users
- Improving micro service success rate by **65%** for **10,000+** users
- Optimizing document loading performance; decreased loading speeds by over **50%**

Web/Software Developer Intern | Rich Media
📅 May 2019 – Aug 2019   📍 Toronto, ON

- Individually implemented a **company-wide** graphing and accordion library from scratch in TypeScript; **Reduced code by 500+ lines** in **80%** of company projects
- Proposed and implemented an internal **automated emailing system** using the SendGrid API to respond to potential clients, **saving $25,000 a year** in labour costs
- Developed interactive tools and **cross-browser compatible dynamic websites** from scratch for clients such as Samsung, Scotiabank, TD and Rogers using an **agile** approach
- Created a fully accessible dynamic video with Google Analytics to display at a trade show; **helped land 310% more clients** than the average month

Full-Stack Web Developer | Six Social
📅 Aug 2019 – PRESENT   📍 Toronto, ON

- Developed and continually maintaining the company's website; viewed by **80+** clients daily and increased sales by **$800+** per event
- Designs and maintains front-end, client-side and server-side architecture

Programming Instructor | Triway Education
📅 Apr 2017 – Aug 2018   📍 Markham, ON

- Tutored Computer Science, Math and English for 25+ students in grades 4-8
- Created well-documented sample programs, exemplifying **standard testing methods**

PROJECTS

Financial Forest - 1st @ SheHacks for Best Use of Google Cloud
JavaScript, Node.js, Express, Google Cloud Vision API

- App scrapes the total amount on receipts users upload to add to their monthly statements
- Individually developed the back-end implementation of Google Cloud's vision API and implemented the app's logic and corresponding front-end

Chess Game with a Chess Bot - 4th in Bot Tournament
Java, SQL

- Individually created a desktop game allowing users to play against a chess bot that uses **alpha-beta pruning** to determine the best move; average **win ratio of 12:1**

Fact Checker
JavaScript, HTML, CSS, Node.js, Express, Microsoft Azure, Algorand

- Web application aimed to combat fake news; extracts a video's subtitles to identify its key topics, and fetches relevant articles to fact check against

SKILLS

C/C++   JavaScript   Java

TypeScript   HTML   CSS

Bash   Node.js   Express   Git

MongoDB   jQuery   Bootstrap

EDUCATION

B.S. Computer Science
University of Waterloo
📅 Sept 2019 – Apr 2023

- Cumulative GPA of 3.7 / 4.0 – **Excellent** Academic Standing
- President's Entrance Scholarship

Algorithms (65 hours)
Princeton University
🔗 See credential

Node.js Developer Course
Udemy
🔗 See credential

ACHIEVEMENTS

- **1st**, SheHacks - Best Use of Google Cloud (70+ teams)
- **7th**, ECOO Programming Contest (60+ Teams)
- **Computer Science Award** (400+ students)
- **Top 25%**, 5 Waterloo Math Contests
- **Honour Roll**, Canadian Computing Contest
- **Best Game**, Game Development Competition (65+ Students)
- **1st in Canada**, Canadian Dragon Boat Championships
- **3rd in Canada**, Canadian University Ultimate Championships

INTERESTS

- Ultimate Frisbee; player on Waterloo's Varsity Team, and previously on Toronto's elite juniors team
- Basketball; 8+ years
- Game Development; 3+ years