Christina Zhou

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Work Experience

Software Developer | Genesys
Java, Python, Vue, AWS, Selenium   *Jan 2021 - Present*

- Built **end-to-end REST clients** that handled **3k+ course assignment queries**
- Built **Python script** to create a metric dashboard and reported custom parameters for **50k+ reports per day**
- Built **CRUD API** allowing users to easily interact with links and attachments using **AWS Lambda and DynamoDB**
- Wrote **UT, IT and E2E tests** to ensure code quality and functionality

Full Stack Developer | Newtopia
Java, SQL, Apex   *May 2020 – Aug 2020*

- Constructed **RESTful APIs** with **12k+ users** where they can automatically complete workout goals through Fitbit and view goals on the mobile app
- Integrated client exit procedure through **querying, creating a batch job** and unsubscribing Fitbits for **3k+ users**
- Built save reminders with Apex and JS to protect clients from losing data

Front End Developer | Does Software Inc
React, HTML, CSS   *Apr 2020 – Jul 2020*

- Designed and built **front-end abstractions**, working closely with designers to build **reusable components**
- Programmed **controlled components** to support adding customized orders to cart using React lifecycles methods and functional hooks

Projects

Orderio ↖
React, Axios, NodeJS, HTML/CSS

- Partnered with SalesPlus POS, a **startup with 20+ restaurant clients** developing a webapp for customers to scan a QR code and directly order from their own phones
- Using **React and a Node server**, created webapp for efficient mobile ordering over **HTTP**
- Reduced customer wait times by **15 minutes** and staff walking time by 20%

Study with Me! ○
React, Bootstrap, Express.js, MySQL

- Webapp for students to study together online with public and private groups and session signups during Covid
- Designed **tables with vertical partitioning** for user credentials, groups, and scheduled activities
- Built CRUD APIs with **express to handle requests** and query in model for user logins, scheduling sessions, and creating groups

Smart Mirror ○
Python, OpenCV, React, RESTful APIs

- Integrated facial authentication using OpenCV
- Built widgets using Spotify Web API and Google Calendar API

Badminton Tryout System ○
Python, Numpy, PyGame

- Constructed an athlete-ranking algorithm with profile and match history
- Tested on Aurora High school with 100+ users and accelerated original tryout process by 300% through reducing required matches

Skills

Languages: JavaScript, Python, SQL, Java, C++, Apex, HTML, CSS

Libraries/Tools: React, Bootstrap, Numpy, Express.js, MySQL, Selenium, Vue, Git, Jira, Jenkins, Maven, Node.js AWS (Lambda, DynamoDB, RDS)

Education

UNIVERSITY OF WATERLOO
Software Engineering, Sept 2019 – Apr 2024

- 3.87 cGPA (91.2%) – Term Dean's Honour List
- Student Ambassador @Grace Hopper Conference
- **Courses**: Data Structures and Algorithms, Database Management, Digital Systems, Sequential Programs, Software Engineering Principles, Combinatorics

Awards

2020	Google Hash Code Competition – Top 30 in Canada
2019	Waterloo President's Scholarship of Distinction
2018	Education Computing Ontario Competition – Central Region Silver (2nd out of 100+ teams)

Community

Lead Programming Instructor
Aurora Programming Club
React, HTML, CSS   *Sep 2018 – May 2019*

- Taught 20+ students OOP and common algorithms, **boosting student scores by 60%** for the Canadian Computing Contest and Education Computing Organization Contest after 1 year of teaching

Organizing Team
Genesys Woman in Technology
Why Code Aurora
Rewriting The Code
Capital One Mentorship Program

- Planned and marketed various events to promote women in STEM

Interests

- Badminton (Nationals)
- Escape Room Enthusiast (30+ rooms)
- Violin (10+ years)
- Avid Board Game Player