

Mike Shen

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EDUCATION

York University

Bachelors of Software Engineering(B. Eng)

Toronto, ON

Sep. 2018 – Aug. 2023

SKILLS

Technologies: Python, Java, SQL, Git, JavaScript, HTML/CSS, REST API, C#, Microsoft Word, Outlook, Windows OS, Linux, Excel Scripting, PowerPoint, PowerBI/BI tools, Databricks, PySpark, G Drivers License
Azure Cloud Fundamentals(AZ-900): ID B7E27785B032355

EXPERIENCE

Ergo Insight

Software Intern/Contractor — Full-Stack/Cloud Development

Feb. 2024 - June 2024

- **Developed and enhanced** full-stack features on a flagship ergonomics posture recognizing software using Java Gradle
- **Established** a full-stack service using Java Spring-boot, NO-SQL and MVC principles to continuously update and display large sets of information on a spreadsheet while maintaining real-time updates based on customer manipulation
- **Implemented** API endpoints using Spring-Boot RESTFUL services to transfer information that performs query searches within a NoSQL database. **Ensured** robust implementation to maintain uptime under high volume requests
- **Participated and led** weekly scrum meetings to discuss the integration of an information processing solution leveraging frameworks like React and Java/Typescript. **Focused** on providing auditing services using provided video samples
- **Experimented** with AWS Kinesis to develop a video processing service that extracts footage from local webcam sources
- **Utilized** appropriate software for 3D motion capture and preprocessed a dataset composed of 50+ samples containing information about people doing various physical tasks. **Discussed** with other companies on adapting unique solutions

Naturally Gorgeous Curls

Software Engineer Contractor — Front End Developer

Sep. 2022 - Feb. 2023

- **Collaborated** alongside a team to bootstrap a mobile/web survey application designed to gather hair information through user responses. **Implemented** with React Native to ensure cross platform compatibility within a 5 month time-frame
- **Presented** a supervised machine learning algorithm that evaluates various hair types with user uploaded images as reference. **Deployed** using TensorFlow with the assistance of a web based API and achieved a successful hit rate of 90%
- **Designed** a selection algorithm using an Excel spreadsheet to determine suitable hair products based on user responses.
- **Organized** weekly sprint meetings in outlook to discuss application functionality and provide insight on innovative features. **Utilized** agile methodology to further clarify user requirements, test cases and ensure effortless dynamic scaling

York University

IT/Teaching Assistant — Software Design and Development Support

Sep.2022 - Jan. 2023

- **Guided** students with technical support throughout their labs primarily based on software design principles taught in Java
- **Identified and resolved** various technical issues in a Windows 10 environment related to OS compatibility and remote endpoint connections when accessing virtual machines. Ensuring seamless Microsoft Office integration upon labs.

PROJECTS

AiM

Online Web-App Learning Platform

github.com/AiM

Sep. 2021 - Apr. 2022

- **Bootstrapped** an online service in conjunction with a team using Node and MySQL to create an online learning platform.
- **Applied** agile methodology and coordinated weekly meetings on Jira with professors to discuss and refine our MVP.
- **Conceptualized** a feature using an LLM that conducts text sentiment analysis upon large samples of student feedback. Extended this feature by providing users with visual graphs containing various types of filters to account for language bias

EXTRACURRICULAR

BEST Startup Experience (Carbon Report)

Product UX/UI Designer - 1st Place

Toronto, ON

Mar. 2023