

# 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 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 pre-processed 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](https://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*