ZIYUE YANG

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TECHNICAL SKILLS

Programming	Python, Java, C++, JavaScript, PostgreSQL, Swift, Ruby, XML
ML/Data	Jupyter Notebook, AWS, PyTorch, Keras, OpenCV, R
Web	Django (Familiar), Rails (Familiar), React (Limited)
Mobile Dev	Android Studio, Xcode

EXPERIENCE

Bigtheta

Project Leader (Remote)   Toronto, ON (May 2020 - Present)

- Leads a team of entry-level student programmers to create Django-based project.
- Presented the use of software development tools (e.g. use of git, Django basics).
- Demonstrates front-end and back-end developing, with some use of database.

Cohesion

iOS Developer, Internship   Guangzhou, Guangdong, China (Summer 2018)

- Contributed to the Swift development of Cohesion App, an iOS office reservation tool.
- Implemented web features using JavaScript.
- Front-end testing with various browsers.

PROJECTS

Deep Neural Networks for Tumor Segmentation   (June 2020 - September 2020 (Expected))

- Head and neck tumor segmentation model based on CNN. The project will be trained on the *HECKTOR Challenge* training data sets of *MICCAI 2020*. The datasets are planned to be released on June 10th, 2020.

Console FPV Navigator   (June 2020)

- A command-line based first-person 3D navigator, written in C++.
- Used a ray casting algorithm to map from 2D space to 3D for rendering.
- Inspired by the engine of game *Wolfenstein 3D*.

UniMart   (May 2020 - June 2020)

- Implemented user models, item views, and trade models in Django to allow C2C trading.
- Styled front-end templates with the Bootstrap framework.
- Stored and managed data with PostgreSQL.

Agenda   (April 2020)

- Integrated Android GUI with various features (e.g. auto-filling while searching calendar events by name).
- Implemented features that allow users to modify repeating events, as well as operations on user-selected events.
- Queried app data using SQLite.

EDUCATION

University of Toronto   Toronto, ON (2018–2022 (Expected))

- Honours Bachelor of Science
- Statistics Major, Minor in Computer Science and Mathematics