Eddy Yao

Software Developer
ecyao@uwaterloo.ca | 226.989.0309

SKILLS

PROGRAMMING
C • C++ • Java • Shell • SQL
Python • JavaScript • HTML • CSS

DEVELOPMENT
Tensorflow • Keras • Android • Linux
Agile • Git • Embedded • Automated Testing
Networking • Databases • Embedded Systems
Real-time Programming •

EDUCATION

UNIVERSITY OF WATERLOO
CANDIDATE FOR BACHELOR'S OF
COMPUTER SCIENCE
Expected May 2023 | Waterloo, Ontario
Cumulative GPA: 3.9
Dean's List (All Semesters to Date)

DISTINCTIONS

2018   ECOO CS Competition Finalists
2018   Governor General's Academic Award
2016   IEEE Arduino Challenge Champions

LINKS

GitHub://   GitHub.com/EC-Yao
Personal://   EC-Yao.github.io
LinkedIn://   eddy-yao

EXTRACURRICULARS

2019   Badminton Club Executive
2018   Computer Science Club VP
2017   Debate Club VP
2015   STEM Camp Coordinator

EXPERIENCE

GOOGLE LLC | SOFTWARE ENGINEER - INTERN
Feb 2020 – May 2020 | Sunnyvale, CA
- Designed integration testing framework to extend testing capabilities to live environments
- Implemented parser to automate config file modification and generation
- Automated service to pull production code to testing environments, removing the need for manual testing on generic builds
- Managed back-end tickets to streamline the software development process and improve system visibility for developers

CIENA CORPORATION | SOFTWARE DEVELOPER (CO-OP)
May 2019 – Aug 2019 | Ottawa, ON
- Enhanced system reliability on complex, real-time fiber optics shelves
- Developed data-driven debug tool, enhancing data visibility on run-time
- Implemented structural software design changes to improve code extensibility for complex real-time computing
- Integrated data-driven programming with existing software using Yang data modeling, decreasing required code by over 50%
- Generated test cases under Python framework, ensuring overall sanity of product builds.

INBAY TECHNOLOGIES INC. | ANDROID DEVELOPMENT INTERN
Jul 2017 – Aug 2017 | Ottawa, ON
- Designed Java code for Android applications to support location awareness, allowing for accurate usage tracking for business analytics purposes.
- Updated server APIs to process and handle JSON data between client and server applications.
- Integrated Agile methodologies using Git and Atlassian software, providing thorough documentation and code re-usability.

PROJECTS

COOKME - WEB APP | NODE.JS, REACT, COMPUTER VISION
Designed a food-based reverse image search web application based on live Instagram data.
Used image recognition to scrape related recipes, ingredients, and calorie information.

ASSORTED ML | PYTHON, TENSORFLOW, KERAS
Designed an evolutionary snake AI using a fully connected neural network and fitness training
Developed a neural network driven stock market predictor

SERVR - ECOMMERCE PLATFORM | JAVA, SQL, NETWORKING, GIT
Co-developed an online platform for posting and browsing sales transactions via Android.
Developed personal server and client frameworks to handle networking to support communications and back-end functionality.