Zi Gao

Software Developer

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➕ SKILLS

Web Development: HTML, CSS, jQuery, React.JS, PHP, MySQL, Node.JS
App Development: Java, Android Studio, Python, TensorFlow, React Native, Processing
Additional Skills: Git VC, Arduino, AWS and Google Cloud APIs, Cisco Spark API

➕ PROJECTS

Schedulus – Node.JS, Express, Firebase, Cisco Spark API · Feb 2018 to Feb 2018

- Created Cisco Spark chat bot that posts, configures, and updates schedules
- Configured Express server and set up Firebase for storing scheduling data
- Programmed parsing functions in Node.JS to return formatted schedules to users

Foodie – Python, jQuery, AWS/Google APIs · Jan 2018 to Jan 2018

- Implemented the AWS Rekognition OCR API to parse text from pictures into actual text, Google Translate API to translate foreign menu items
- Coded dynamic front-end views for mobile web-app
- Led team to successful project completion in under 24 hours at Hack Concordia

ReadR – Python, TensorFlow : · Oct 2017 to Dec 2017

- Programmed and implemented from scratch a neural network (using TensorFlow) to recognize handwritten digits and characters from pictures.
- Working on equation recognition from pictures of graphs, also in process of building interface for users to upload or take a photo for evaluation.

Virtual Fighterz – Processing, Java : · Jun 2017 to Jun 2017

- Created a virtual fighting game where the camera picks up the player's joints via image processing and tracks them
- Implemented a two player fighting mode connected via network
- Designed a custom and efficient unit collision detection algorithm

More Projects can be Found at ZiGao.io and on my Github

➕ EMPLOYMENT

Freelance   Ottawa ON
Full-Stack Web Developer
Jun 2017 to Current

- Designed **UI and UX**, created **mockups**, wireframes and control flow charts
- Programmed the front end of many websites using **HTML, CSS, jQuery and React**
- Developed server-side code and queried data requests using **PHP** and **MySQL**
- Configured online server hosting services and bought domain names

Tim Hortons   Ottawa ON
Supervisor/Employee Trainer
Aug 2015 to Mar 2017

- Developed **leadership and communication** skills while training new employees, supervising them during shifts, and conducting monthly performance evaluations
- Established strong **time management** skills by organizing and prioritizing tasks in a fast paced environment

➕ EDUCATION

University of Ottawa
Bachelor of Software Engineering
Expected 2022

Coursera – Stanford University
Specialization in Data Structures and Algorithms

Coursera – University of Michigan
Specialization in Back End Web Development

➕ AWARDS

The Governor General of Canada ·
Governor General's Academic Medalist   2017
97 Average Gr.11, 98 Average Gr. 12

University of Waterloo ·
Canadian Computing Competition Certificate of Distinction   2017

Schulich Foundation ·
Schulich Leader Nominee   2017

University of Ottawa ·
Chancellor's Scholarship Finalist   2017

➕ VOLUNTEERING

Canadian Cancer Society
·
Event Organizer and Public Speaker   Apr 2016 to Jun 2017

- Demonstrated exceptional speaking skills in front of large audiences by performing a presentation for an audience of over 1000 people
- Learned to cope with high stress situations while managing financial budgets and coordinating performances and activities for an all day event involving several hundreds of community members