

Guangzheng Wu (David)

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SKILLS

Programming Skills (Proficient)	Java, Android, C#, Swift, Python
Application and Skills (Intermediate)	NodeJs, SQL, C++, Object-C, R, MATLAB, Tableau, TensorFlow, Google Firebase, Restful, Linux, LaTeX, Android Studio, Xcode, Assembly, Blender, Unreal Engine
Courses	Software Engineer, Machine Learning, Data Mining, Database System, Computer Networks, Advanced Algorithm, System-level programming, Data Structure, Web Programming, Digital Image Processing, Mobile App Development, Adv Operating System, etc.
Language Skills	Chinese (native) - English (Advanced) - French (Elementary)

EDUCATION

Georgia State University M.S. Computer Science	Aug. 2016 – May. 2018 GPA 3.58
Georgia State University B.S. Computer Science	Aug. 2014 – May. 2016 GPA 3.78
Awards: President's List, Dean's List, Magna Cum Laude	

EXPERIENCE

qMenu, Inc.	Software Engineer	April.2019 - Present
<ul style="list-style-type: none">Built Progressive Web App on iOS and Android app completely that support SaaS for more than 3000 clients.Developed web automation for multiple Google Business products with Google Puppeteer with NodeJS.Managed, developed and automated Amazon Web Service include EC2, S3, Route 53, AWS client VPN and more.Developed Machine Learning framework for Credit Card Transaction fraud with AWS SageMaker, developed food category detection with IBM Watson ML, developed multiple automation with AWS Lambda and more.Created remote network and provide technical support to customer service team, problem solving and code review/debug for technical team.		
China-US Technology Innovation Center	Website Developer Intern	Aug. 2018 - April.2019
<ul style="list-style-type: none">Assisted website development, resolve and debug in JavaScript. Create mobile version with efficient interfaces.Helped hosting multiple IT conference and delivered presentation of technical insights and implementation.		
Georgia State University	Teaching Assistant/Research Assistant	Fall 2016 - May 2018
<ul style="list-style-type: none">Presented lectures about courses including Data Structure and Java programming. Grade and tutor in lab sections.Assisted implementing new machine learning platform from Nvidia and Intel hardwires.Created facial recognition and feature detection using Haar Cascades and Edge detections, with higher efficiency that support classification independently in mobile platform, published a demo iOS application "FaceScope".		
Shenzhen Youshikang Communication Co., Ltd.	Software Developer Intern	Summer 2014
<ul style="list-style-type: none">Assisted with hardware team integrate Multichannel E-Conference VoIP cloud services from IAD products.Created prototype SIP and WebRTC protocol mobile application. Worked on client-side development protocols.Review, debug, encode and support in software development cycle in C++ and Java programming.		

PROJECTS

- HackGT2016, created "Capital All-in-One" expense management project. HackGSU2016: "Thermal Health Companion" smart IoT project. Designed a JavaFX Top-Down shooting game with own engine.
- Designed Unreal Engine game: "Home Invader" with realistic rendering.
- Designed and developed location based instant messaging "Greetings" with Facebook API and related framework in iOS and C#. Developed "Travel Advisor" route-location based user recommendation system.

ACTIVITIES

- Georgia State University student chapter of ACM Publicity Chair. Organized multiple AI conference. Represented and invited NVidia and Google for school speech and education donations.
- GTCFA (GTCHINA club), Student involvement leader. Created online forum for student study.
- News Reporter of Hana Media Global. Attended event "Sheila Jackson Lee's 21st Annual Toys for The Kids". Assisted China ambassador in assorted events. Atlanta Chinese Professional Publicity chair.

RESEARCH

- Master dissertation:
"Deep Neural Network Based Depression Diagnoses with Mobile Facial Recognition and Speech Analysis"
Developed depression syndrome diagnoses system using machine learning. Developed facial recognition and voice analysis along with clinical examination data for neural network training and diagnostic classification. The result has better efficiency and accuracy.