ZHEN YU

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EDUCATION

University of Illinois Urbana-Champaign   Expected: Dec. 2020
Master of Computer Science

University of Michigan, Ann Arbor   May. 2019
B.S.E. in Computer Science   GPA: 3.7/4.0

Shanghai Jiao Tong University   Aug. 2019
B.S.E. in Electronic and Computer Engineering   GPA: 3.5/4.0

WORK EXPERIENCE

realLINGUA, Inc   Apr. 2018 - Jul. 2018
Software Engineer Intern   Ypsilanti, MI

· Developed a Web app with **Java Servlet** and **Jquery** for users to view lectures and do exercises to study foreign languages.
· Designed the billing page, worked with the marketing teams to fulfill the free-trial feature and automatically send commercial emails to target users according to their subscription levels.
· Implemented a notification service to remind the users to timely review course materials according to their learning progress.
· Redesigned **MySQL** database to accommodate scaling to more lecture materials, maintained the database server.

Beyondsoft, Inc   June. 2019 - July. 2019
Software Engineer Intern(Part-time)   Shanghai, China

· Designed and Developed a server-less cloud service that reports metrics and abnormality of the data with **Azure function** in **C#**.
· Maintained the SQL database, implemented a C# program to periodically check and update the IP address in the proxy pool.
· The service was capable of capturing defects in the program and was used by multiple data retrieval teams in the company.

PROJECTS

Eye Disease Simulator   Jan. 2018 - Jan. 2019

· Joined Assisted Vision Group directed by Prof. Lauro Ojeda from UM.
· Developed an **Android** application to simulate the vision of visually-impaired patients with AR effect implemented in **OpenGL**.
· In collaboration with Kellogg Eye Center, the app allows patients and caregivers to better understand how a disease will progress.

Telemedicine System (Capstone Project)   May 2019 - Aug. 2019

· Developed a web system with **python flask** framework that connect remote clinics with limited medical resources to large hospitals.
· Implemented a mobile-friendly interface with **zepto.js** for the hospital and doctors to efficiently process medical cases.
· Our sponsor Baiyulan has integrated our project into its service provided between hospitals in China and Bangladesh.

Wechat Message Agency   Jul. 2018 - Aug. 2018

· Developed a chatbot in **python** running mainly on preloaded corpus but can also be customized with regex input on the frontend by **react.js**
· Deploy the application as a cloud service on **Amazon Lambda** and enabled interaction with personal account through Wechat API.

SKILLS

Programming Languages: C++, Python, Java(Android,EE), Javascript(react.js, jquery), HTML/CSS, Matlab, C#
Platforms and Tools: Linux, Vim, Azure, Visual Studio, Android Studio, MySQL/SQLite, Unity
Relavant Coursework: Operating Systems; Web Systems; Database Management Systems; Programming languages; Compilers; Statistics and Probability; Computer Organization; Software Engineering; Game Design; Info Retrieval;

LEADERSHIP

Annappella Vocal Group   Sep. 2017 - May 2019
Vice President, Bass, Technical Director   Ann Arbor, MI

· Led rehearsals and A Cappella performances, maintained a chatbot in public platform to answer questions about our organization

TechX Summer Camp   Jul. 2018 - Aug. 2018
Academic Lead   Shanghai, China

· Prepare course materials, hold seminar session, organized a 36h-hakathon activity and helped students on their projects