ZHEN YU

734-239-4279 ⋄ zheny2@illinois.edu ⋄ JamZYU.github.io

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.
· Implemented the billing page with **Stripe API**, which is now in production for users to start free trial or pay for their subscriptions.
· Developed a notification service to remind the users to timely review course materials according to their learning progress.
· Redesigned **MySQL** database for exercises and **reduced its size by 20%** to accommodate scaling to more course offerings.

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

· Designed and Developed a 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 deployed to Azure portal and in use by teams of more than 30 developers to capture defects of the crawler programs in the early stage.

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
Relevant 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