

XIAOPENG ZOU

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EDUCATION

M.S in Computer Science (GPA: 3.9/4.0), **University of Florida** *August 2018 - May 2020*
Selected Classes: Analysis of Algorithms(A), Advanced Data Structure(A), Distributed Operating System Principles(A)

SKILLS

Programming/Scripting Languages: (proficient) Java, JavaScript, HTML, CSS, WMLS;
(familiar) Python, SQL, MatLab, Elixir
Frameworks and Tools: Git, VueJS, Spring Boot, Angular, Electron, Bootstrap, Gradle, Maven, Mybatis Plus, NodeJS, BT Tool, ICC Tool
Spoken Languages: (native) Chinese, Japanese; (proficient) English

WORK EXPERIENCE

Payment Application Developer For POS Machine And Mobile POS *June 2020 - Present*
Software Developer, Pax Technology Inc. Jacksonville, FL
- Collaborated with Bank of America and developed **Vue** based app from scratch which provide mobile payment solution and enterprise retail features such as inventory and payment reports, using bluetooth connected card reader. This app is estimated to have more than 50,000 downloads.
- Developed **Spring Boot** based handler which pulls transaction data from cloud database and applies the transaction flow per the host. Divided the application into common feature and host interface part and decoupled it by using **Git submodules**. Deployed the application through **AWS**.
- Analyzed **EMV** data using **BT tool** and modified EMV configurations to allow the apps conduct a data-safe, anti-fraud and swift transaction for each card brand.

SELECTED PROJECTS

Schedule Management App

- Designed and implemented desk top app that allows users to add events, todos and deadlines, write diaries.
- Developed **MVC** backend with **Spring Boot** on **MySQL** which uses **CORS** to store the app related information.
- Implemented user authentication by **JWT token** using **Apache Shiro**.

Actor Model Based Twitter-like Social Network Service

- Implemented the engine using **Elixir** and **Actor Model** programming with data managed on **PostgreSQL**.
- Developed the twitter clone app that allows users to login, post tweets, follow other accounts and search tweets based on MVC model.
- Support 13K+ concurrent users by actors programming and implemented live chat room by phoenix channel.

P2P File Sharing App

- Designed and developed P2P file sharing software similar to BitTorrent by **multi-thread** function and socket programming.
- Implemented a **choking/unchocking** mechanism to accelerate the transferring speed by up to 90% when the net work connection is unstable.