Matthew Logan

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EXPERIENCE

Implementation Consultant at Fast Enterprises   Aug 2017 – Present
- Consulted with the Oklahoma Tax Commission to determine the best approach to solving issues and developing new features.
- Worked with a large, existing codebase to implement a robust tax software.
- Develop external web solutions for taxpayers to interact with our internal software implanting standardized design practices as well as innovating UX.

Consultant at Tulane University Technology Connection   Apr 2015 – June 2017
- Conducted computer, tablet, and accessory transactions and educated customers on key features and maintenance of products
- Performed computer hardware and software repairs with a team of other technicians
- Maintained an inventory of over 100 products on a monthly basis
- Promoted to senior student worker and acted as shift leader to oversee operations

User Experience and Design Intern at Tongji University   Aug 2015 – Dec 2015
- Identified various client needs by prototyping innovative user experience interactions and conducting case studies
- Operated as the sole programmer on Human Machine Interface for Automobiles
- Presented prototypes and findings to clients during major milestones of the project

EDUCATION

Tulane University, New Orleans, LA, USA   Aug 2013 - May 2017
- Bachelor of Arts | Asian Studies & Computer Science

Donghua University, Shanghai, China   Aug 2015 - Dec 2015
- Obtained Chinese proficiency certificate

SKILLS

Languages: Java, C, C++, HTML, CSS, JavaScript, Python, Ruby, SQL, Bash
Frameworks: Ruby on Rails, Django, Angular 2, D3JS, Vue.js
Developer Tools: Git, XCode, Android Studio, Eclipse, Bracket, Atom, VIM, CLI
Core Competency:
- Strong programming background (Web, Mobile)
- User-experience engineering/simplification and UI design experience
- IT related customer-interaction and operational experience

PROJECTS

Virtual Pen Pal
For my senior capstone, I am using natural language processing and machine learning to aid language learners in practicing their target language using an online chatbot. Through mass user training and an open-sourced code (ChatterBot), I aim to provide a fluid learning experience for users by mimicking an online conversation with a native speaker.

Tulane Online Transportation System (TOTS)
In an AGILE and testing based environment, I worked as the Scum Master on a group project that would allow students to schedule Tulane shuttles and for shuttle managers to respond to their requests. With Ruby on Rails, we created a full-stack website that fulfilled the needs of the Tulane community.

Human Machine Interface for Automobiles
With a group of UXD students, I conducted user studies to produce a car interface that would provide a greater ease of use while driving. Using Java on Android and our case study findings, I programmed a prototype for milestone presentations to the commissioning client (Zhejiang Geely Holding Group Co., Ltd).

Volume Rendering Visualization Project
Using CMake, I developed a model to view a CT scan of a human skull. The model could be rotated, spliced, and zoomed. A color curve was created that allowed for isolation of the different components of the model i.e. the skull, the brain, or the skin.