Matthew Logan

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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	

EXPERIENCE

Consultant at Tulane University Technology Connection   Apr 2015 – Present
- 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

SKILLS

Languages: Java, C, C++, HTML, CSS, JavaScript, Python, Ruby, SQL, Bash
Frameworks: Ruby on Rails, Django, AngularJS, D3JS, P5JS
Developer Tools: Git, XCode, Android Studio, Eclipse, Bracket, Atom, VIM, CLI
Certifications: Apple Certified Macintosh Technician (ACMT)
                    Apple Product Professional (APP)

Core Competency:
- Strong programming background (Web, Mobile) and NLP/Machine-Learning
- User-experience engineering/simplification and UI design experience
- IT related customer-interaction and operational experience

PROJECTS

Virtual Pen Pal (Work in Progress)
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.

RELEVANT COURSEWORK

CMPS 2300: Computer Systems and Networking	CMPS 3140: Artificial Intelligence	CMPS 3300: Software Studio
CMPS 3120: Visualization	CMPS 3260: Algorithms and Complexity	CMPS 4750: Computer Network