Ruixi Li

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EDUCATION

Illinois Institute of Technology, Chicago, IL, USA   Aug.2015-Aug.2019

Bachelor of Science, emphasis in Computer Engineering

Armor College of Engineering Dean's List (Fall 2017, Spring 2018, Spring 2019)

- Relevant Coursework: Operating Systems, Emerging technology in Computer Architecture, Image Processing, Deep Learning, VLSI Design, Systems Programming, Microcomputers and Embedded Computing

Jinan University, Guangzhou, Chiana   July.2015-Aug.2015

Summer Program: Macroeconomics, Japanese History of East Asia

SKILLS & ABILITIES

- Programming: C, Java, Python, R, SQL, HTML, CSS, MATLAB, JavaScript, MIPS Assembly, x86 Assembly
- Technical Skills: PSpice, Electronic Circuitry, Cadence Virtuoso
- Languages: English, Mandarin (Native), Cantonese (Native)

EXPERIENCES

Panxsoft Inc.   Guangzhou, China

Software Engineering Intern   *June-July 2018 & Sept.2019-Present*

- Implement and train facial recognition model using Dlib and OpenCV Python Library
- Using image layering and scaling to apply visual effect of cosmetic product on still imagery and real time video footage
- Involved in post-manufacture activity including obtaining user feedback, product promotion, and UI adjustments
- Worked on Augmented Reality by implementing applications on Android devices
- Self-studied PyTorch, Tensorflow API and examples on object detection and classification

Dispatchable Indoor Location System   Chicago, IL

Instructor: Prof. Davids   *Spring 2018*

- Developed indoor location tracking system using indoor location detecting, humidity and temperature algorithm on Arduino based BLE devices
- Implemented solution that minimizes the usage of power consumed by Particle Electron when connecting WIFI
- Set up webhooks for data transmission between devices and Particle cloud

Operating Systems Programming on xv6   Chicago, IL

Instructor: Prof. Hale   *Spring 2019*

- Designed and implemented Lottery Scheduler, Virtual Memory and Kernel Threads for xv6
- Worked on concurrent programming concept and accomplished parallel zipping program
- Implemented MapReduce framework using threads and tested correctness using self-defined testing programs
- Developed File system checking system

Gangxing Technology Inc.   Guangzhou, China

Database Developer Intern   *May 2015*

- Engaged in developing web applications using Oracle RDBMS for the Provincial Finance Bureau in Guangdong, China
- Assisted in optimizing ER Models and learned about design methodology of database software

ACTIVITIES

Formula SAE (Society of Automotive Engineers) - Member   Sept. 2017 - Aug. 2019

- Optimized Arduino Controller program and Control Area Network for Motor drive control

ACM (Association of Computing Machinery) - Member   Sept. 2016 - Aug. 2019

- Participated workshop in Webpage development and Augmented Reality