SENG ZHAO TOO

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EDUCATION

Illinois Institute of Technology, Chicago
Bachelor of Science in Computer Science
Cumulative GPA: 3.76 Major GPA: 3.8

Expected Graduation Date: May 2018

Courses
- *Data Mining*
- *Probability & Statistics*
- *Geospatial Vision & Visualization*
- *Software Engineering*
- *Database Organization*
- *Operating Systems*

TECHNICAL SKILLS

Languages
- *Java*
- *C*
- *Python*
- *JavaScript*

Technologies / Frameworks
- *HTML5*
- *CSS3*
- *Vue*
- *MySQL*
- *PHP*
- *React*
- *Redux*

Tools
- *Git*
- *zsh*
- *Orange*
- *JMP*
- *Vagrant*
- *Adobe Creative Suite*

HONORS

Presidential Scholarship
$30,000 (annually)

Computer Science Honor Society
Honorary Member

Dean's List
Spring, Fall 2016

ACTIVITIES

WildHacks
2016

ThinkChicago: Chicago Ideas Week
2016

Global Leadership Experience: Chicago
2015

WORK EXPERIENCE

Dpt. of Computer Science, Illinois Institute of Technology
Teaching Assistant – System Programming
Aug 2016 – Current
- Hosted lab sessions & office hours and managed to guide students through the machine problems.
- Graded students' machine problems and provided helpful feedback for improvements.

NXP Semiconductors, Malaysia
Software Engineering Intern
May – Aug 2015
- Maintained and enhanced the in-house manufacturing software. Added barcode scanning functionality for operators to use in production lines and saved approx. 10 minutes per scan producing each chip.
- Spearheaded the internal web (intranet) migration project using Microsoft SharePoint.

PROJECTS

TTS • *Python*
- Web scrapes the contents of a web page and generate it into an audio file.
- Technologies: Python

Find My Berry • *Python*
- An object detection application that takes an image, filter the object (strawberry) by color and segment it out. It then outputs a mask of the object with the it highlighted in an ellipse.
- Technologies: Python, OpenCV, Scientific Python Stack

Mood • *Javascript*
- Built at WildHacks Hackathon 2016.
- Implemented a web application that listens for auditory inputs while giving realtime feedback on the mood of the speaker through sentiment analysis.
- Technologies: Vue, rxjs, IBM Watson APIs

RESEARCH

Neighborhood Safety • *Fall 2016*
- Conducted Statistical Hypothesis Testing on the safety of nearby neighborhoods around campus.
- The data was analyzed using JMP and fit into heatmap in displaying the concentration and saturation of highly targeted locations and neighborhoods across different timeslots.