

AUSTIN TSAO

CONTACT

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EDUCATION

2014-2018

Northwestern University

Bachelor of Science in Electrical Engineering
Minor in History

EXPERIENCE

Feng Chia University, June 2016 - Sept 2016

Student Researcher

Worked on a research project to develop technology for minimally invasive surgeries. Use of OpenCV to capture and track objects using live video using motion tracking and feature detection techniques. Participated as part of the Taiwan Tech Trek program, hosted by Feng Chia University and the Ministry of Science and Technology of Taiwan.

Kingston Technology, June 2015 - Sept 2015

MIS Summer Intern

Database administration, SQL server, front-end and back-end web development with ASP.NET MVC and stored procedures, HTML, CSS and JavaScript. Main project was to create a web application for HyperX to catalog sample headsets. The goal was to create a simple check-in and check-out system for HyperX's sample headsets so that employees from both Taiwan and the US can keep track of where a particular headset is, and who is using it. Used ASP.NET for frameworks, SQL for back-end and Bootstrap, JavaScript, HTML, CSS and C# for front-end.

SKILLS

- OpenCV
- Image processing
- Arduino
- SQL
- MATLAB
- C++ / C / C#
- JavaScript
- Python
- HTML / CSS
- Chinese
- French

PROJECTS

Minimally Invasive Surgery Technology, June 2016 - Sept 2016

Worked on a research project to develop technology for minimally invasive surgeries. Use of OpenCV to capture and track objects using live video using motion tracking and feature detection techniques, and Arduino to track distance and position of a scalpel inside a patient's body. Worked as a participant of Taiwan Tech Trek.

RELEVANT COURSES

- EECS 303 - Advanced Digital Logic Design
- EECS 333 - Intro to Communication Networks
- EECS 222 - Fundamentals of Signals and Systems
- EECS 221 - Fundamentals of Circuits
- EECS 223 - Fundamentals of Solid State Engineering