

# Daniel W. Yuan

U.S. Citizen

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**OBJECTIVE** Internship for Summer 2016

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**EDUCATION** **UNIVERSITY OF ILLINOIS** Urbana-Champaign, IL  
**Bachelor of Science in Electrical Engineering**  
**Minor in Computer Science** Overall GPA: 3.5  
May 2018

*Related coursework:*

ECE 385 – Digital Systems Laboratory

ECE 210 – Analog Signal Processing

ECE 220 – Computer Systems and Programming

ECE 313 – Probability with Engineering Applications

ECE 310 – Digital Signal Processing

ECE 340 – Semiconductors

CS 225 – Data Structures

CS 173 – Discrete Structures

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**EXPERIENCE** **Reconstruct Internship** Champaign, IL  
Summer 2016

- Responsible for full stack web development in web interface for 3D Reconstruction
- Utilized Node.js for backend development
- Database design/backups using mongodb
- Familiar with using cloud services (AWS EC2 and S3)

**Winstagram Hackathon Project** Spring 2016

- Created a responsive website to optimize exposure of pictures on Instagram
- Used Machine Learning on a Microsoft Azure cloud to learn “like” patterns for each user
- Used Google’s Vision API to identify objects in pictures to train the machine learning model

**Rebuilt the Website for CAFASC** Spring 2015

- Revamped the Chinese American Faculty Association of Southern California
- Created an easily editable web site for ease of access for the web managers
- Website at: Cafasc.org

**Lighted SleepMask Mobile App Personal Project** Arcadia, CA  
Winter 2014

- Constructed a Sleep mask prototype using:
  - MPU-6050 Accelerometer
  - HC-06 Bluetooth module
  - Arduino Mega 2560
- Created an Android app to communicate wirelessly with the Sleep Mask
- Implemented a custom algorithm for calculation ideal wake times

**Intern at City of Hope Neurology Laboratory** Duarte, CA  
Summer 2013

- Performed PCR, Flow, Cell Culture, and Aminohistic Chemistry
- Learned how to use Matlab and Lab equipment
- Familiarized myself with scientific literature format

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**AWARDS** Deans List for Academic Excellence: Fall 2014

**SKILLS** Node.js, Mongodb, C++, Python, C, Java, HTML, CSS, Javascript, Lua, Matlab, Assembly, System Verilog, Microsoft Office