

LILLYAN PAN

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12610 62nd St. N.
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EDUCATION

Cornell University – School of Engineering – GPA 3.68 May 2018
Candidate for Bachelor of Science in Computer Science
• Meinig Family Cornell National Scholar (Leadership/Academics/Service), Dean's List

RELEVANT COURSES

Object-Oriented Programming & Data Structures (Java); Data-Driven Web Applications; Intermediate Web Design; Intermediate iPhone Development; Digital Logic and Computer Organization; Embedded Systems; Discrete Structures; Statistics, Quality, and Reliability; Mobile Application Training Program; Introduction to Digital Product Design (CUAppDev)

TECHNICAL EXPERIENCE

Medium Design Collective January 2016 - Present
Web Development Team, Cornell University, Ithaca, NY
• Creating and maintaining web content for the student-run organization Medium Design Collective.
• Building and promoting the design community at Cornell.
• Website: <http://www.medium.design/>

Shaffer - Nishimura Research Group September 2015 - Present
Undergraduate Researcher, Cornell University, Ithaca, NY
• Developing labeling algorithm and associated program to analyze gait movement in mice and correlate limb motion to neuronal activity in the spinal cord.
• Analyzing sets of active neural cells and associated changes with differing locomotion speed.
• Implementation written and tested in MATLAB.

Engineering World Health September 2014 - Present
ECE/CS Team Member, Business Team Chair, Cornell University
• Building web application using MEAN stack and dc.js to display real time water quality data using dynamic graphs for the NGO Forefront.
• Building Android phone application to send water quality information via bluetooth.
• Developed low-cost vitals signs monitor with SMS messaging capability to send real time updates and alerts using Arduino and Raspberry Pi.
• Field tested in Lima, Peru at MEDLIFE mobile clinic.
• Managing company outreach efforts, budget, and purchasing collaboration for all sub teams as Business Team Chair.

SKILLS

- Java, C/C++, Python, HTML, CSS, JavaScript, Swift, MATLAB
- Eclipse, Xcode, Ionic Framework, Arduino, Publisher, Sketch

PROJECTS

News Parser March 2016
• Built chrome extension that summarizes news articles.
• User saved article details and link to original article stored in Firebase.
• Article summary from AYLIEN API; Article's author, key concepts and links, and keywords from AlchemyAPI.
• Keywords' relevance and sentiment scores visualized using d3.js.

Unhackathon September 2015
NYC, NY
• Developed web application Timeout with team. Created associated Android app using Ionic Framework.
• Awarded "Best User Experience" prize.
• Used Twilio API to send text messages if the user went over a self-specified time on social media.
• Used Google Charts API to output a graph of user's social media usage.

LinkedIn DevelopHer Hackathon August 2015
Sunnyvale, CA
• Developed web application Tiramisu with team.
• Used LinkedIn API to allow users to anonymously chat in real time with matched mentors for career advice.

ADDITIONAL EXPERIENCE

Society of Women Engineers September 2014 - Present
Career Development Chair, Cornell University
• Coordinating SWE's semi-annual Professional Networking Dinner— bringing 150+ students and representing 50+ companies.
• Contacting and interacting with company representatives, coordinating the logistics of the event, and creating design templates in Publisher.

United Way September 2013 - August 2014
Board of Directors Member, Stillwater, MN
• Collaborated with community leaders for the "Give Where You Live" campaign aimed at addressing the unequal distributions of United Way donations.

Youth United Way September 2012 - August 2014
President, Stillwater, MN
• Led group of 15 in fundraisers and events to raise over \$5K each year to allocate towards youth oriented organizations.
• Nominated for Outstanding Youth Group by the Association of Fundraising Professionals.

INTERESTS

Gymnastics, dance/ballet, event planning, ted, doodling