

JOI Y. WU

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EDUCATION | UNIVERSITY OF MIAMI

MAY 2018

Bachelor of Science Mechanical Engineering
GPA 3.869

WORK EXPERIENCE | UNIVERSITY OF MIAMI

FALL 2016 - PRESENT

Undergraduate Research Assistant

- Researching non-toxic black-light-activated agents to be used for coating inspections.
- Experimenting with the extraction of chlorophyll from spinach & its limitations as a fluorescent.
- Developing a report on the long-term effects of adding chlorophyll to protective coatings.

COMCAST

SUMMER 2016

Product Development Engineering Intern

- Automated report processes in Tektronix using Ruby & Bash scripting.
- Developed test harnesses for new software & communicated with vendors.
- Created automated haikus using the Twitter API in Go & Ruby.
- Performed Quality Control of audio & video assets.
- Assisted with in-depth research & analysis on new transcoding servers.

COMCAST SPOTLIGHT

SUMMER 2015

Information Technology Intern

- Imaged & deployed devices including both new capital & devices requiring upgrades.
- Troubleshoot user issues with programs, devices, networks, software & permissions.
- Developed skills in: Sales; Account Coordinating; Traffic; Master Control; & Creative Services.

PROJECTS | RESEARCH & DEVELOPMENT

FALL 2014 - PRESENT

- Effect of Videogames on Pulse Rate (*Spring 2016*)
- Water Powered Vehicle (*Spring 2015*)
- Egg-Launcher & Catching Mechanism (*Spring 2015*)
- Mouse-Trap Car (*Fall 2014*)
- K'Nex Bridge (*Fall 2014*)
- Multi-Platform Push Notifications (*Summer 2016*)

LEADERSHIP | AMERICAN SOCIETY OF MECHANICAL ENGINEERS

SPRING 2016 - PRESENT

President

- International Submarine Races: Overseeing the process of designing & building a human powered submarine.
- Build-It: Orchestrating an annual design & engineering competition in the areas of aerodynamics & propulsion for over 400 high school students.

SOCIETY OF WOMEN ENGINEERS

SPRING 2014 – SPRING 2015

Marketing Chair

- 2016 SWE Region D Conference: Designed & maintained conference website through Wild Apricot.

SKILLS |

- Basic HTML, SolidWorks, Creo 3D, AutoCAD, MATLAB, Bash (Unix shell) & Ruby
- Experience with Vertical & Horizontal Milling Machines, Arduino, Baton, Eclipse, Elemental, Github, IntelliJ, MediaInfo, MPX, Tektronix, Twitter APIs, Remote Desktop/VMware, SalesLook CRM & VLC
- Conversational Spanish & Mandarin
- Leadership & Interpersonal Communication

REFERENCES | JOE STRAUB, DIRECTOR 2

Comcast | VOD
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ANN HELMERS, DIRECTOR

University of Miami | Career Planning & Placement
ahelmerts@miami.edu