

DANIEL PRIMACHENKO

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EDUCATION

Case Western Reserve University *BSE Biomedical Engineering*

Graduation: May 2019

- Computing & Analysis Specialization
- Minor in Computer Science

Doshisha University *Japanese*

June 2014 – August 2014

- Study abroad in Kyoto, Japan for one semester

PROGRAMMING EXPERIENCE

- Well versed in MATLAB and LabVIEW
- Knowledgeable in Java, C++, Assembly, CircuitPython, and Ruby

PROJECT EXPERIENCE

Senior Capstone Team Project

September 2017 – May 2018

- Developed optical sensor-based automation for a prosthetic hand in a two semester senior design project
- Collaborated in a five student team to design, build, and test a functional prosthesis while following DHF regulation paperwork
- Researched, purchased, and integrated optical sensor electronics for project applications
- Generated logic and circuit diagrams
- Programmed automated system utilizing CircuitPython on a Raspberry Pi platform
- Processed the device through verification and validation testing

WORK EXPERIENCE

Vision Media Android App Developer

January 2016 – April 2016

- Aided with porting of iOS media entertainment app to Android market
- Participated in UX redesign to adopt app layout for Android OS
- Collaborated with the software development team to build, test, and debug applications

YMCA Lifeguard/Swim Instructor

February 2016 – August 2016

- Instructed children ages 3-13 to swim
- Ensured safe environment and directly dealt with pool patrons

Graduate student's assistant at UCLA Biochemistry Lab

April 2013 – July 2013

- Procured an enzyme shell necessary for biofuel development
- Maintained record of all tasks/procedures accomplished and results found
- Conducted experiments directly with samples in shell production

ORGANIZATIONS/ACHIEVEMENTS

BME Society member ('13-Present)

CWRU Varsity Swim Team Member ('13-'16)

Zeta Psi Fraternity member ('14-Present)

Five Time California State Swim Champion ('12-'13)

Case Rock Climbing club member ('15 - Present)

FIRST Robotics GE Engineering Design award ('12)

Case Western Varsity Swimmer ('13- '16)

INTERESTS

Learning Japanese, DIY Electronics, Rock Climbing, Cooking, Camping, Traveling