**JERRY SHIH-MING WANG**

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# EDUCATION

The University of Texas at Austin **Bachelor of Science, Electrical Engineering Honors May 2018**

Overall GPA: 4.0/4.0

# EXPERIENCE

**Big Data Software Engineering Intern – Optum –** Boston, MA June 2016 – August 2016

* Redesigned and created Optum’s Data Fabric 2.0 UI
* Streamlined project and pushed to production
* Learned and implemented Optum’s standardized codes

**Undergraduate Research Assistant – University of Texas at Austin, BME Department –** Austin, TX January 2017 – Present

* Analyze OCT signal using MATLAB
* Modify existing OCT imaging system into portable version on 3D printer

**Undergraduate Research Assistant – University of Texas at Austin, BME Department –** Austin, TX February 2015 – Present

* Culture, passage, and freeze cancer cells
* Quality assured CAD design for aluminum parts

**Undergraduate Teaching Assistant – University of Texas at Austin, ECE Department –** Austin, TX August 2015 – December 2015

* Helped students with LabVIEW programming assignments
* Introduced students to hands-on building of simple resistive circuits

## Volunteering

**STEM Tutor – Paredes Middle School –** Austin, TXSeptember 2016 – Present

* Help 7th graders with their math problems
* Encourage students to see problems in different perspectives

**Volunteer Lab Tech Assistant – Volunteer Health Clinic –** Austin, TXOctober 2016 – Present

* Assist with technology in lab
* Perform and record test results

**ACADEMIC PROJECTS**

**IEEE-RAS Mercury Remote Robot Challenge –** Stillwater, OKApril 2016

* Utilized mechanical lever arm/pneumatics to toss object
* Communicate wirelessly and control robot from Austin, TX

## SKILLS

**Computer Skills:** Certified in Microsoft Word and PowerPoint Specialist, Excel Expert, and Adobe Photoshop

Proficient in C++, C, HTML/CSS, jQuery, and assembly language

Adequate in Java, AngularJS

Familiar in NI LabVIEW, Cisco Packet Tracer, Python, MATLAB, and SolidWorks

**Languages:** Bilingual in English and Mandarin Chinese, Familiar in Spanish

## ACCOMPLISHMENTS AND MEMBERSHIPS

* Member – Phi Kappa Phi – The University of Texas at Austin Chapter March 2017
* Recipient – Dean T.U. Taylor Foundation Endowed Presidential Scholarship in Engineering August 2016
* Recipient – Undergraduate Research Fellowship February 2016
* Member – Eta Kappa Nu – The University of Texas at Austin – Psi Chapter November 2016
* Member – Tau Beta Pi – The University of Texas at Austin – Alpha Chapter April 2016
* Community Service Committee – Theta Tau – The University of Texas at Austin – Psi Beta Chapter December 2015
* Member – Alpha Lambda Delta & Phi Eta Sigma – The University of Texas at Austin Chapter March 2015
* Leader – IEEE Robotics and Automation Society at the University of Texas at Austin September 2014
* Mary Carroll High School valedictorian June 2014