Jerry Shih-Ming Wang

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(512) 545-2970

EDUCATION

The University of Texas at Austin	**Bachelor of Science, Electrical Engineering Honors**	**May 2018**
	Overall GPA: 4.0/4.0	

EXPERIENCES

Undergraduate Student Researcher – New Jersey Institute of Technology, BME Department– Newark, NJ   May 2017 – August 2017
- Measured brain activity using functional near-infrared spectroscopy
- Identified abnormal brain activation and significant connectivities

Big Data Software Engineering Intern – Optum – Boston, MA   June 2016 – August 2016
- Redesigned and created Optum's Data Fabric 2.0 UI
- Streamlined and pushed project 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
- Assemble stress machine
- Image cells and assess molecule of interest

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

Volunteer Lab Tech Assistant – Volunteer Health Clinic – Austin, TX   October 2016 – Present
- Assist with technology in lab
- Perform tests and record results

STEM Tutor – Paredes Middle School – Austin, TX   September 2016 – Present
- Help 7th graders with their math problems
- Encourage students to see problems in different perspectives

PERSONAL PROJECTS

IEEE-RAS Mercury Remote Robot Challenge – Stillwater, OK   April 2016
- Utilized mechanical lever arm/pneumatics to toss object
- Communicate wirelessly and control robot from Austin, TX

SKILLS

Computer:	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
Language:	Bilingual in English and Mandarin Chinese
	Familiar in Spanish

ACCOMPLISHMENTS

• Recipient – Allen F. Jacobson Endowed Presidential Scholarship in Engineering	July 2017
• Recipient – Dean T.U. Taylor Foundation Endowed Presidential Scholarship in Engineering	August 2016
• Recipient – Undergraduate Research Fellowship	February 2016
• Leader – IEEE Robotics and Automation Society at the University of Texas at Austin	September 2014