

Henry C. Wong

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EDUCATION

Bachelors of Computer Science

Missouri University of Science and Technology
Major GPA: 3.4/4.0 – Cumulative GPA: 3.3/4.0

August 2016 - May 2020
Rolla, MO

Machine Learning Certification (Stanford University/Coursera)

August 2017

EXPERIENCE

The Boeing Company

St. Louis, MO

Cyber Security Intern

May 2018 - Present

- Patched and identified security flaws in Classified Programs based on the Risk Management Framework guidelines to pass Department of Defense Inspection
- Created a work flow to evaluate software security saving 3-10 hours per inspection
- Earned Secret Level Department of Defense Security Clearance

Missouri S&T

Rolla, MO

Research

May 2018 - Present

- Crawled malicious users in social media using the Python BeautifulSoup library
- Analyzed data using Machine Learning (Sci-Kit Learn) and Matplotlib

State Farm

Bloomington, IL

Software Engineering Intern

May 2017 - August 2017

- Saved 24 hours for every IT employee by automating Test Environments
- Developed applications on Xbox Kinects for State Farm Sponsored Events
- Wrote a Machine Learning chat bot that answered insurance policy inquiries
- Designed an interactive Cyber Security lab for 100+ middle schoolers

Infrastructure Automation Intern

June 2016 - August 2016

- Re-engineered Perl/CGI automation tools, cutting load time for over 50 tools by 70%
- Led a team of 10 interns to create an updated intern request site utilizing AngularJS

Ferro Silicon

Normal, IL

Chief Design Officer

September 2015 - May 2016

- Co-led an Android Development team to win \$100,000

SKILLS

Advanced: C/C++, Python, JavaScript, Git, Pandas, iPython/Jupyter, Anaconda, Linux
Proficient: Matplotlib, Scikit-learn, Tableau, SQL, Matlab, Java, Perl, Ruby, IDA, L^AT_EX
Learning: TensorFlow, QGIS, Flask, PEID, WireShark

PROJECTS

Association for Computing Machinery (ACM)

Rolla, MO

Chair/Founder of ACM SIG-Data

September 2017 - Present

- Started a collaborative data blog called modata.blog to let students showcase their work
- Taught topics on Data Science, Data Mining, Machine Learning, and Data Analytics
- Participated with others in Kaggle.com competitions

Chair/Founder of ACM SIG-Hack

September 2017 - May 2018

- Organized the first Missouri S&T Hackathon: Shamhacks
- Created a Special Interest Group to go to and organize Hackathons

Special Projects of ACM SIG-Security

October 2016 - Present

- Participated in Capture the Flag and the Collegiate Cyber Defense Competition

COURSES

CS5400: Artificial Intelligence — **CS5001:** Deep Learning
CS3600: Computer Security — **CS3001:** Data Science