

Tom Wu
github.com/tomleewu

Email : tomleewu@gmail.com
Location : Tulsa, OK

EDUCATION

- **University of Tulsa** Tulsa, OK
Bachelor of Science in Computer Science; GPA: 4.00; President's Honor Roll *Aug. 2016 – May 2019*

EXPERIENCE

- **University of Tulsa** Tulsa, OK
Undergraduate Teaching Assistant *Aug. 2017 – Dec. 2017*
 - **Data Structures & Algorithms:** Grade written/coding assignments and hold weekly office hours for class of 60 students
- **Security Economics Lab** Tulsa, OK
Research Assistant *May 2017 – Present*
 - **Bitcoin News Classification:** Classify articles reporting exchange breaches to reduce manual classification by using a machine learning classifier and posts from Bitcoin forums
 - **Altcoin Data Collection:** Found forum posts correlating to price peaks on ~700 Altcoins by querying a Google Custom Search Engine and parsing forum posts
 - **Transaction Data Collection:** Scraped ~15,000 daily transaction records on 88 Bitcoin Exchanges using a Selenium web scraper
 - **Data Aggregation:** Found weekly volume of malware on ~14,000 web hosts and 187 countries by aggregating data from a MySQL database
 - **Data Visualization:** Developed a web app to display graphs using the Google Charts API on malware presence with web hosts
 - **Languages/Tools:** Python, Flask, Linux, MySQL, Selenium, JavaScript, HTML/CSS, Google Custom Search API, Google Charts API, NGINX, Unicorn, Git, GitHub

PROJECTS

- **Otter Grader (SpartaHack 2017):** Desktop application written in Python that generates printable T/F tests and grades them from an image

PROGRAMMING SKILLS

- **Languages (Most familiar to least familiar):** Python, JavaScript, Java, SQL
- **Technologies:** HTML/CSS, Flask, Linux, MySQL, Selenium, Google Charts API, Google Custom Search API, NGINX, Unicorn, Git, GitHub