

AUSTIN WONG

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www.austinwong.me

EDUCATION

University of Washington

Seattle, WA (Graduation: 2021)

- B.S in Computer Science with a Minor in Mathematics; GPA: 3.55
- Coursework: Software Design and Implementation, Hardware/Software Interface, Foundations of Computing, Systems Programming, Data Structures and Parallelism
- Involvement: Association for Computing Machinery Executive Officer, Theta Tau Professional Fraternity

EXPERIENCE

University of Washington CSE

CSE 14X Teaching Assistant

Seattle, WA (September 2019 - Present)

- Instructor for an introductory programming and data structures course in Java.
- Lead weekly sections and provide help to students in introductory programming labs.

AT&T

Software Engineering Intern (Automated Network Testing Team)

Redmond, WA (June 2019 - September 2019)

- Developed a monitoring dashboard web app on Prometheus and Grafana to visualize data from our 5G Network testing application's host virtual machines.
- Queried metrics from system software like MongoDB and RabbitMQ, and low level metrics such as CPU utilization and disk space. Also developed Python scripts to gather data to display software version history.
- Assisted in the configuration and deployment of the network testing software through creating Ansible YML scripts with new releases and updates.

University of Washington Prosocial Computing Lab

Research Intern

Seattle, WA (July 2017 - May 2018)

- Worked with a team led by Prof. Gary Hsieh to develop and research the application of a chat bot that automatically assigns emoji to text messages through facial input from a computer webcam.
- Devised methods to gather data from human subjects and facilitated system testing through observing use of our system as well as qualitative surveying and interviewing.
- Co-authored academic paper [ReactionBot: Exploring the Effects of Expression-Triggered Emoji in Text Messages](#) for submission to research conference CSCW 2018 where it was in the top 20% of submissions.

PROJECTS

Discount Sneaker Web Scraper

- Python web scraper that displays price, model, and color on discounted shoes from multiple online shoe retailers.
- Utilized BeautifulSoup Python library to parse HTML page contents and extract only relevant information.

ReactionBot

- At the Prosocial Computing Lab, I contributed toward developing a MacOS Slack chat bot that captures facial expressions and automatically attaches a respective emoji to text messages.
- Developed in Swift, which captured user facial expression and assessed it through Microsoft Emotion API, and in Node.js using Slack API to call image captures and attach emoji to messages.

ABOUT ME

Languages Java, Python, C/C++, JavaScript

Technologies React.js, Node.js, Git, HTML/CSS, Prometheus/Grafana, Ansible

Interests Human-Computer Interaction, Machine Learning, Web/Mobile Development