

DELANEY KRANZ

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SUMMARY

Computer science graduate student with research and internship experience in data analysis and management seeking software engineering internship for summer of 2021.

EDUCATION

Master's in Computer Science (Big Data Systems); 4 + 1 Degree Program Graduating May 2021
Arizona State University, Tempe, AZ
B.S. Computer Science; B.A. English Literature; Barrett, the Honors College August 2016 - May 2020
Arizona State University, Tempe, AZ 4.0 GPA

TECHNICAL SKILLS

Programming: Java, C++, C, Swift, Golang, Javascript, Python, ReactJS, Redux
Other: Github, Kafka, Elasticsearch, RESTful APIs, AWS EC2 nodes, Jenkins, JIRA, Axure

PROFESSIONAL EXPERIENCE

GoDaddy: Software Engineering Intern 5/2020 – 8/2020

- Interned as a front-end developer on the Customer Relationship Management team to help develop the next-generation in-house tool for customer management
- Worked primarily with ReactJS and Redux, handling bug tickets and new development
- Learned about proper Jira documentation, Javascript, unit testing, and deploying with Jenkins

Arizona State University Tooker House: Peer Mentor 7/2019 – 5/2020

- Advised first-year engineering residents in academic and professional needs
- Led a series of technical interview practice workshops, resume reviews and career fair prep

PayPal: Software Engineering Intern 5/2019 – 8/2019

- Interned on the Core Infrastructure Platform team, building a newsfeed system for a new tool
- Used Kafka, Elasticsearch, MySQL and Golang to organize large amounts of data and messages for users
- Refined skills planning data pipelines, RESTful APIs, code documentation, and unit/functional testing

Fulton Schools of Engineering: Research Affiliate 1/2018 – 8/2018

- Assisted in an educational research lab developing an android that teaches math to middle-schoolers
- Parsed through Excel documents of dialogues between students and the android, noting communicative patterns
- Wrote a Python program implementing Pandas data structures to organize and clean Excel dialogue documents

PROJECTS

Digitize Paper Forms 8/2019 – 5/2020

- Created and trained a Convolutional Neural Network to map paper forms to their virtual equivalent form in HTML.
- Leveraged OpenCV and TensorFlow to create the CNN; maintained an 80% accuracy rate.

Taxi Pickup Spatial Analysis Spring 2020

- Set up Hadoop cluster on three AWS EC2 instances to parse through large volumes of NYC taxicab pickup data
- Performed spatial analysis on pickup points, analyzing cluster efficiency depending on dataset volume size

ACTIVITIES

Fulton Ambassadors 2/2017 – 3/2019

- Led tours to prospective students around the ASU Fulton Schools of Engineering on the Tempe campus
- Assisted in running community outreach events hosted by the Fulton Schools