

Christopher L. Gu

COMPUTER SCIENCE MAJOR • BIOINFORMATICS MINOR

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Education

Missouri University of Science and Technology (Missouri S&T)

Rolla, Missouri

B.S. IN COMPUTER SCIENCE

Expected May 2020

- Cumulative GPA: **4.0**
- Dean's List, Honors Academy

Experience

Union Pacific Railroad (UP)

Omaha, Nebraska

IT SUMMER INTERN

May 2018 - August 2018

- Used Natural Language Processing (NLP) to put a conversational front-end on data
- Worked with conversational AI tools, such as Rasa and Google's Dialogflow
- Created interactive Rasa chatbots that interfaced with UP's Hadoop Architecture and Data Portal (dictionary terms)
- Offered the Enterprise Architecture Council (EAC) a promising alternative to tools currently being used by UP
- Communicated with the team behind Rasa regarding a partnership on UP's behalf
- Won UP's 5th Annual Intern Hackathon in the "Customer Assistant" category with a Rasa chatbot

Extracurricular Activities

PickHacks

Rolla, Missouri

Co-DIRECTOR

March 2018 - PRESENT

- Delegated roles and tasks to the PickHack's team and oversaw all operations
- Head of Finance: secured sponsorships, created and managed the budget, and monitored cash flow
- Head of Logistics: booked the venue, developed the schedule, and ordered supplies and services
- Miscellaneous: communicated with MLH, assisted in website design, and planned marketing strategies

ACM SIG-Hack

Rolla, Missouri

Co-FOUNDER & Co-CHAIR

March 2018 - PRESENT

- Co-founded a hackathon special interest group in Missouri S&T's ACM chapter
- Coordinated the travel and attendance of members to Midwest hackathons
- Presented workshops about hackathon preparation

Miner Key A Cappella

Rolla, Missouri

FOUNDER & PRESIDENT

January 2018 - PRESENT

- Founded Missouri S&T's first ever A Cappella group
- Managed and directed (musically) a talented group of 12 vocalists
- Performed at various Missouri S&T and Rolla events

Projects

Android Applications

SELF-TAUGHT ANDROID DEVELOPER

- **ArchHacks** - *Lighthouse*: A network of android apps and beacons that automate and expedite the full patient-doctor experience
- **ShamHacks** - *Vetories*: A platform for veterans to upload their stories for others to watch, learn, and be inspired by
- **TigerHacks** - *Scoop*: A platform that provides a secure and crowd-sourced distribution of news and media
- **GlobalHack VI** - *Spot*: A system of android apps and web dashboards that connect the homeless to shelters
- **Databases Course** - *PG*: A platform that facilitates pickup games

Skills

Interpersonal Leadership, Management, Communication, Negotiation, Empathy, Positive Attitude, Teamwork

Programming Python, C++, Java, Node.JS, SQL

Tools Android Studio, Firebase, Amazon Web Services, Rasa, Dialogflow