Kevin Booth

kevin@kb.gg

EDUCATION

Master of Science in Geography   **Expected Graduation in Spring 2020**
Texas State University · San Marcos, TX
- **Thesis -** Estimating Gross Domestic Product with Satellite Imagery
- Automated the process of downloading Landsat imagery, creating
  cloud-free composites, and extracting developed area using
  Kubernetes, Python, and GDAL.

Bachelor of Science in Geographic Information Science   **Aug 2018**
Texas State University · San Marcos, TX
- Minor in Computer Science

EXPERIENCE

Graduate Assistant   **Aug 2018 - Present**
Texas State University · San Marcos, TX
- Developed software to enable large-scale web scraping research
Labs Taught
- GEO2426   - Fundamentals of GIS (24 Seats)
- GEO4393C - Geoprogramming (10 Seats)

Image Analyst Intern   **May 2017 - May 2018**
NASA Johnson Space Center · Houston, TX
- Refactored ISS Imagery Inspection Software
- Developed software for next-generation Orion Spacecraft

Platform Software Developer   **Nov 2014 - Aug 2015**
swipejobs, Inc. · Austin, TX
- Led team of remote developers spanning multiple locations worldwide
- Moved entire backend architecture to AWS cloud
- Rearchitechted and developed backend software stack

Android Application Developer   **July 2013 - Nov 2014**
Chaotic Moon Studios · Austin, TX
- Worked alongside team of designers and developers to develop
  applications according to clients' specifications
- Worked with labs department to create custom prototypes
  for clients

PROJECTS

FXNOW Android Application
- Worked in a team of two developers to build a video on
  demand application for FX Networks from scratch in 3 months
- Integrated TV provider authentication and video advertisement
  systems
- 1,000,000+ Downloads

Dell Mobile Workspace
- Transformed local file manager into multi-cloud service syncing
  file manager
- Implemented single sign on authentication

AWARDS
- Graduate Student Merit Fellowship
- Dean's List 6 semesters

SKILLS
- Very experienced with Python, Java, and Android Development
- Experience in ArcMap/ArcPro, QGIS, and ERDAS Imagine
- Familiar with PostgreSQL/PostGIS, MySQL, MongoDB, and Redis
- Experienced with Git and Github

VOLUNTEERING   **H.E.A.T. Texas State Chapter**
- Working with City of San Marcos Solid Waste and Recycling Department to educate citizens about recycling and composting
- Monthly cleaning of litter from the San Marcos river
- Elected secretary for 2017-2018 school year

References available upon request