Jake Cook

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Professional Education

Utah State University

Bachelor of Science   *August 2017 – Graduating May 2021*

Courses:

Advanced Algorithms	Scientific Data Visualization	Programming Languages
AI in Clean Energy	Cloud Computing	Operating Systems
Game Design	Networking in Java	

Work Experience

USU Space Dynamics Laboratory

Assistant Software Engineer   *April 2020 – Present*

- Built a containerized GIS application for 2D and 3D visualizations, with custom image processing, terrain generation, and complete documentation
- Provided customer support and security bug fixes for spoonsite.com with a small team, and worked with external customers to satisfy technical requirements
- Developed visualizations, web crawlers, presentations, documentation and software systems for external customers in an Agile team using languages and frameworks like Python, Javascript, GraphQL, Postgres, MongoDB

Vivint Smart Home

Summer Installation Technician   *Summer 2018, 2019*

- Managed personal time and processes to maximize efficiency for customer training and retention while training coworkers
- Directed small, dynamically sized teams to perform high-quality customer-focused technology integration and installation
- Achieved a quality-based ranking in the top 15 summer technicians

Dupont Pioneer (Corteva Agriscience)

Greenhouse Technician   *Summer 2015, 2016, 2017*

- Assisted scientists with specialized data collection and detail-oriented procedures
- Integrated new electronics and sensing equipment into automated machinery
- Designed and manufactured custom hardware mounting rigs
- Worked with engineering teams to design, build, and test machinery

Skills & Other Education

- 2.5+ years Linux (daily use), FOSS, servers (raspberry pi, ubuntu, centos), Docker, Latex, Office Suite
- Git, jira, confluence, Agile methodologies, CI/CD tools (i.e. Jenkins)
- Personal and software data security, encryption, best practices, implementations
- Frameworks & Platforms: Vue.js, Bootstrap, Heroku, Scrapy, Django, Keras