

Jake Cook

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<https://portfolio-jake-cook.herokuapp.com/>

Education

B.S. COMPUTER SCIENCE

May 2021

Utah State University

GPA: 3.28

Technical Skills

PROGRAMMING LANGUAGES: Python, Java, Javascript, SQL

SOFTWARE & TOOLS: Git, Linux (2.5+ years), Docker, VM/Servers, Office Suite, Latex

OTHER SKILLS: Problem Solving, Complex Data Handling, Data Visualization, Team Collaboration, Adaptability, Time Management

Work Experience

SOFTWARE ENGINEERING ASSISTANT

April 2020 - Present

USU Space Dynamics Laboratory, Logan, UT

SECURITY ALARM TECHNICIAN

Summers 2018 - 2019

Vivint Smarthome, Arkansas

GREENHOUSE TECHNICIAN

Summers 2015 - 2017

Dupont Pioneer, Johnston, IA

Software & Related Projects

GAME DEVELOPMENT: Designed and implemented 2D games in Javascript and HTML Canvas, including a Randomized Maze game

LOCAL NAS: Assembled a low-cost open source local cloud storage with a raspberry pi, existing hard drives, and OpenMediaVault

GIS SERVERS: Developed a docker-based proprietary GIS system based upon open source server software with custom geospatial imagery and 3D terrain generation and visualization methods in a team of 2

SERVER APPLICATIONS: Managed and configured servers for running OpenVPN, PiHole, Minecraft, and Plex

SECURITY MODIFICATIONS: Researched and configured personal security measures to mitigate online presence and risks, including client-side encrypted cloud storage, messaging, and password management and configuring encrypted software, hardware, and data flow procedures

Academic Courses

Advanced Algorithms

Game Design

AI in Clean Energy

Algorithms & Data Structures

Scientific Data Visualization

Networking

Computer Security

Programming Languages

Academic Achievements

College of Engineering Dean's List

Fall 2017

College of Science Dean's List

Fall 2020

Volunteer & Extracurricular

University Band Section Leader

(2017) USU, Logan, UT

Young Adult Leadership Committee

(2016-2017), Des Moines, IA

Youth Group Advisor

(2016) Indianola, IA