Jake Cook

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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	Scientific Data Visualization
Game Design	Networking
AI in Clean Energy	Computer Security
Algorithms & Data Structures	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