

Jacob L. Smith

Software Engineer

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EDUCATION

Bachelor of Science: Computer Science May 2023
University of Utah, Salt Lake City, UT

Associate of Arts: German Dec 2018
Weber State University, Ogden, UT

Elective Coursework	Graduate Level Electives
Creative Engineering	Artificial Intelligence
Digital Circuits	Database Systems
Computer Networks	
Mobile Apps	

WORK EXPERIENCE

Software Technology Consultant Oct 2021 - Present
Quilts and More, Layton, UT

- Built inventory tracking tools using JavaScript
- Reduced and simplified data entry for client
- Leveraged free software to minimize cost to business

TA for CS 1400 & CS 3505 Aug 2022 - May 2023
University of Utah, Salt Lake City, Utah

- Led lab sessions for groups of ~20 students
- Taught individual students learning C++ and Python

Software Engineering Intern Jun 2022 - Aug 2022
Sarcos Robotics, Salt Lake City, UT

- Gathered requirements from project stakeholders to prioritize project features
- Built robot pre-boot service using Python and Docker

Software Developer Jan 2020 - Oct 2021
PDCflow, Ogden, UT

- Developed web services with SQL databases
- Created full-stack new customer signup feature
- Responded directly to customer API support requests

Test Automation Intern Aug 2019 - Jan 2020
PDCflow, Ogden, UT

- Improved and developed automated test suites using Pytest with Selenium WebDriver

SKILLS

Languages and Frameworks

Python	JavaScript / HTML / CSS
C# / ASP.NET Core	C++ / Arduino
Java / Spring, Android	MySQL

Tools and Environments

Docker	GitLab CI / Runner	JetBrains IDE's
GCP	MongoDB	VS Code

Communication:

German (proficient), Spanish (conversational)

PROJECTS

Capstone - Board Game Simulator

- Architected an ASP.NET Core API with Swagger UI
- Built DevOps pipeline with GitLab CI, Docker, and GCP
- Presented regularly to course staff and industry professionals

Simon Alarm Clock using Arduino

- Alarm clock ensures user alertness by playing game
- Designed a custom circuit and menu system
- Includes LCD, real-time clock unit, and speaker

SERVICE & LEADERSHIP

Podcast Host Oct 2021 - Dec 2022
Salt Lake Institute of Religion

- Planned and hosted podcast interviews to uplift and teach students

Missionary - Frankfurt, Germany Sep 2015 - Aug 2017
The Church of Jesus Christ of Latter-Day Saints

- Planned and conducted weekly trainings for groups of 4-6 other volunteer missionaries
- Taught and translated for individuals from various backgrounds in German and English