

THOMAS STANSEL

thomas.s.stansel@gmail.com ◇ linkedin.com/in/thomas-stansel/ ◇ github.com/TStansel ◇ thomas-stansel.info/

EDUCATION

Bachelor of Computer Science, Brigham Young University - GPA: 3.66

Expected April 2023

EXPERIENCE

Taxbit | Software Engineering Intern

November 2021 - June 2022

Python, Typescript, AWS

Remote

- Saved 15 hours per incident by architecting and creating a tool to extract execution data from AWS step functions and make the data queryable using a no code solution.
- Increased reliability and maintainability by writing dozens of unit, integration, and property tests.

Capital One | Software Engineering Intern

June 2021 - August 2021

Python, AWS

Remote

- Updated an application to be security compliant by fetching previously hard-coded credentials from an API.
- Automated the joining of several data tables by adding new data points into an API with 10,000 requests a day.

Bluehost | Software Engineering Intern

January 2021 - May 2021

Perl, Python, Django

Remote

- Automated a 10 hour per month process of repetitive work by creating a series of APIs.
- Increased code coverage by 10% by writing unit tests for and refactoring legacy code.

Capital One | Software Engineering Intern

June 2020 - August 2020

Python, AWS

Remote

- Identified 12 insecure AWS resources by building a solution to automatically scan resources and post findings on an internal company site.
- Saved time for future teams/interns by identifying an undocumented intricate process for an internal CI/CD tool and writing documentation for it.

BYU OIT | Student Software Engineer

November 2019 - December 2020

JavaScript, CSS, HTML, React-Native, Python, AWS

Provo, UT

- Saved 4 hours per week for the Monitoring Team by creating screens for an internal app, allowing for schedule/on-call changes to be made by direct managers rather than the Monitoring Team.
- Led a team of 2 for creation of screens.

PROJECTS

Gravity | Typescript, Python, AWS, ML, Slack - Slack integration (with 400 users and 60,000 events per day, at peak) that takes each new question, looks for a similar question in the history of the channel, and recommends an answer based on the thread of the past question.

AlexaCAPS | Python, AWS - Alexa Skill allowing students to find their universities' counseling and psychological services phone number, built in a 24 hour hackathon.

TherAssist | Python, ML - Machine learning Python application that detects and predicts emotion based on facial cues, built in a 24 hour hackathon.

VOLUNTEER WORK

President

January 2020 - April 2021

BYU Developers Club