

# THOMAS STANSEL

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## EDUCATION

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**Bachelor of Computer Science**, Brigham Young University - GPA: 3.68

Expected April 2023

## EXPERIENCE

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**Lyft | Software Engineering Intern**  
Go

September 2022 - Current  
*Remote*

**AWS | Software Development Intern**  
Kotlin, Typescript, CDK

June 2022 - September 2022  
*Seattle, WA*

- Provided new analytics for customers by starting development on a new endpoint that identifies common reasons behind AWS Connect calls.
- Created 2 new cloud infrastructures to maintain the needed step functions, lambdas, and pipelines.

**Taxbit | Software Engineering Intern**  
Python, Typescript, AWS

November 2021 - June 2022  
*Remote*

- Saved 15 hours per incident by architecting and creating a tool to extract data from AWS step functions and making 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**  
Python, AWS

June 2021 - August 2021  
*Remote*

- Saved 3 hours a week by automating the joining of several data tables into an API with 10,000 requests a day.
- Updated an application to be security compliant by fetching previously hard-coded credentials from an API.

**Bluehost | Software Engineering Intern**  
Perl, Python, Django

January 2021 - May 2021  
*Remote*

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

**Capital One | Software Engineering Intern**  
Python, AWS

June 2020 - August 2020  
*Remote*

- Identified 12 insecure AWS resources by building a solution to auto-scan resources and to then alert the owners.
- Saved time for 4500 employees, within one year, by identifying and documenting an intricate process for an internal CI/CD tool.

**BYU OIT Monitoring | Student Software Engineer**  
JavaScript, CSS, HTML, React-Native, Python, AWS

November 2019 - December 2020  
*Provo, UT*

- Saved 4 hours a week by allowing managers to directly update on-call schedules instead of the Monitoring Team.
- Led a team of 2 for creation of screens.

## PROJECTS

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**Gravity | Typescript, Python, AWS, ML, Slack** - Slack integration (with 400 users and 60,000 events per day, at peak) that uses ML to syntactically and semantically compare questions looking for a match to direct users to.

**TherAssist | Python, ML** - ML python application that detects and predicts emotion based on facial cues.

## VOLUNTEER WORK

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**President**  
BYU Developers Club

January 2020 - April 2021