

Drew T. Bayles

Provo, UT

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EDUCATION

Brigham Young University

Bachelor of Science in Computer Science (Emphasis in Software Engineering)

Provo, UT

Apr 2023

- Minor: Africana Studies
- GPA: 3.85 / 4.00
- Relevant Coursework: Algorithm Design & Analysis, Data Structures, Database Modeling, Discrete Mathematics, Linear Algebra, Software Design, Software Entrepreneurialism, Systems Programming

EXPERIENCE

TaxBit

Software Engineer Intern

Draper, UT

Jun 2022 – Mar 2023

- Built and maintained a validation system capable of validating and ingesting 100M+ crypto transactions daily
- Monitored and tested endpoints via Postman - increased bug detection and communication to non-engineers
- Resolved CCXT sync failures - fixed bugs, ensuring seamless data integration across multiple systems

AppsTango LLC

Security Specialist

Lehi, UT

May 2021 – Apr 2022

- Principle security auditor for all company AWS accounts (25+)
- Ensured database security, user access integrity, API encryption, and documentation

Project Manager

Dec 2020 – Apr 2022

- Led design and feature-related engineering priorities for 15+ mobile and web-based apps
- Managed teams of 4-8 offshore software engineers via Jira using agile principles

Naccarato Leadership Center LLC

IT Specialist

Provo, UT

Dec 2019 – Dec 2020

- Managed a database of 30,000+ clients and enhanced weekly email deliverability/security to each client
- Collaborated with marketing to develop innovative approaches that increased client signups
- Explored scripting in Python, Objective-C, and JavaScript to improve productivity of day-to-day tasks

LEADERSHIP & SERVICE

The Church of Jesus Christ of Latter-day Saints

Volunteer Representative

Cape Coast, Ghana

Sep 2017 – Aug 2019

- Led and instructed 8-24 other volunteers to increase productivity, communication, and problem solving
- Designed and conducted weekly/monthly volunteer training to follow up on and set high goals
- Planned and delivered 20+ weekly lessons on life skills and behavioral habits

PROJECTS

Python Trading Bot

- Developed a trading bot using Python and TD Ameritrade's developer API that tracks market trends and executes trades based on user-defined criteria
- Utilized AWS to host and run the bot, allowing for scalability and easy maintenance
- Implemented a backtesting tool to test the bot's performance and optimize its parameters

AWARDS, SKILLS & INTERESTS

- BYU Africana Studies Student Symposium Finalist - "Islamic Reform in Northern Nigeria"
- FRC Robotics team world championship qualifier for 4 consecutive years
- Mallet percussion – performed in wind, percussion, and regional audition-only ensembles for 6+ years
- *Eagle Scout*, Boy Scouts of America, 2017