

Alec Benson

SOFTWARE ENGINEER



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PROFESSIONAL OBJECTIVE

Get job pls

HOBBIES

LANGUAGES

EXPERIENCE WITH

Git

REST

Docker

Splunk

Kubernetes

GraphQL

Databases

PostgreSQL, MySQL, MariaDB

WORK EXPERIENCE

NMT Cyber Security Centers

Full-Stack Developer / December 2019 - Current

- Developed a web application in Go for the purpose of database visualization
- Spreadsheet-like way to interact with SQL based databases for nondevelopers
- Frontend was built with HTML, CSS, and Javascript, and the backend was built using Golang, GraphQL, PostgreSQL, and Hasura

Sandia National Labs and New Mexico Tech Emulytics

Research Assistant / August 2019 - Current

- Developed a series of web crawlers in Go
- Developed RESTFUL API that is used by the crawlers for inter-network communication
- Helped to build the infrastructure code that runs these spiders on a Kubernetes cluster
- Using data aggregated by the crawlers, performed research on identification of cyber attack prognosticators using Python and statistical analysis

Abacus Systems

Software Developer / May 2019 - Current

- Moved to a more broad role of project management and actual system design, managed a junior developer
- Working to streamline and provide clear interface for non-programming inclined team members to work with
- Continuing to extend and improve on trading automaton

Abacus Systems

Junior Software Developer / December 2016 - March 2019

- Worked to prototype Trading Automata with a small team
- Built a first draft of a trading automaton in C, then took this experience and built a more robust version in Python

Air Force Research Labs

Summer Scholars Intern / May 2017 - August 2017

- Worked with software engineer to improve the "Satellite Energy Assessment Model"
- Mainly focused on UI development, using Java and JavaFX

EDUCATION

New Mexico Institute of Mining and Technology

BS in Computer Science August 2016 - May 2020

New Mexico Institute of Mining and Technology

Masters in Computer Science August 2020 - December 2021

AWARDS AND EXTRACURRICULARS

New Mexico Tech Student Research Symposium 2020

"Identification of Threat Prognosticators Through Online Discourse"

New Mexico Tech Outstanding Student Appreciation Award, 2019

Honorable Mention Award

Association of Computing Machinery, 2018-2019

President of the New Mexico Tech chapter of the ACM