

# Caden Westmoreland

📍 Austin, Texas, United States   ✉ cadenforrest@gmail.com   ☎ 9038059021   🌐 <https://www.linkedin.com/in/caden-westmoreland-a6904a178/>

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## SUMMARY

Software Developer seeking opportunities focused on building highly scalable and maintainable server-side applications.

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## SKILLS

Ruby on Rails, PostgreSQL, NGINX, Python and Django

Javascript (jQuery, React), CSS/SASS, Bootstrap/Tailwind

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## EXPERIENCE

### Software Developer

#### Sock Club

October 2021 - Present, Austin, TX

- Developed manufacturing management system in Ruby on Rails, automating production assignment and production tasks between several different manufacturing facilities. Facilitated the manufacturing, shipment, and fulfillment of hundreds of thousands of custom socks. (If you have branded socks from your company, I probably helped make them!)
- Created and maintained external facing REST API to communicate with client-facing applications
- Implemented and managed NGINX reverse proxy on an EC2 instance
- Wrote Python code to automate several operations-related tasks
- Perform code review with peers

### Manufacturing Engineering Intern

#### Airborn Inc

May 2019 - August 2019, Georgetown, TX

- Assisted with management of two production lines with 20+ employees.
- Designed and manufactured tools to make production processes safer and more efficient.
- Created a database application to track work orders, floor productivity, and active issues.

### Undergraduate Research Assistant

#### Texas Petawatt Laser

May 2017 - October 2017, Austin, TX

- Assisted Ph.D students and professors with conducting fundamental research into exotic states of matter with ultra-high energy densities and electromagnetic fields.
- Developed a software/hardware solution to remotely control dozens of mirror positions and angles inside of the laser, accurate to a micrometer.
- Worked independently of management

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## EDUCATION

### Bachelor of Science in Computer Science

Minor in Applied Mathematics • Texas State University • San Marcos, Texas • 2021

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## COURSEWORK

### Computer System Security

Texas State University • Research, Network Scanning, Vulnerability Scanning, Attack prevention

### Introduction to Machine Learning

Texas State University • Problem Solving, Programming, Applied Statistics

Created a Jupyter Notebook which predicted risk of abuse of different types of drugs based on personality traits.

### Introduction to Artificial Intelligence

Texas State University • Teamwork, Data Structures and Algorithms, A\* Search

Created an intelligent expert system which diagnosed patients with different types of cancer based on their symptoms

### Web Development

Texas State University • Design, Research, Programming, Problem Solving

Created a website which showed my skills as a web developer with Python, Flask, HTML and CSS

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## CERTIFICATIONS

### Python Skill Assessment Badge

LinkedIn • 2020

Certified in Python Development and Machine Learning Applications