MADISON GRAMS

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EDUCATION

Georgia Institute of Technology

B.S. Computer Science | 2019 | Summa Cum Laude

Concentrations in Artificial Intelligence and Systems & Architecture

SKILLS

Python, React, JavaScript, three.js, Django, HTML, CSS, Debugging, Unit Testing, PostgreSQL, Scala, Java, API Development, C#, C, C++, AWS, Web Development

EXPERIENCE

cove.tool / Atlanta, GA

Senior Software Engineer | July 2022 - Present

- Lead development of drawing.tool, a React app using three.js for architects and engineers to draw and visualize building floor plans in 2D and 3D
- Refactored drawing.tool to decrease app load time and increase code clarity
- Mentored junior engineers in best coding practices
- Increased unit test coverage for drawing.tool
- Responded quickly to bug fixes with a 1-3 day turnaround time
- Conducted research on new technologies and frameworks

Tech Lead, 3D Team | May 2022 - Present

- Managed a team of 5 engineers, leading daily stand-ups and bi-weekly sprint planning
- Provided guidance and feedback to junior team members
- Drove project development from start to finish for 3D geometry-related features
- Collaborated w/ other Sr. engineers & tech leads to improve workflows and plan future tasks
- Attended meetings with research, sales, and customers to provide technical insight for new feature requests

Full Stack Software Engineer | June 2020 - July 2022

- Developed new features to improve the cove.tool product using Django and React
- Implemented detailed occupancy schedules for more accurate energy use calculations in C++, Python and React
- Refactored user-privilege access and subscriptions to increase app collaboration & bring in new customers to cove.tool
- Oversaw the release of drawing.tool v1 and developed v1 of drawing.tool import, creating a smooth workflow for users to import 3D models of buildings from third-party applications, such as Revit, Rhino and Sketchup
- Focused on creating robust and reusable code, leading to decreased fatal exceptions and faster onboarding for new engineers

Kabbage / Atlanta, GA
Software Engineer | January 2020 - May 2020

- Implemented RESTful services in .NET Core and C# using the microservices architecture for Kabbage Payments
- Worked on Kabbage Payments front-end in Angular

Twitter / New York, NY
Software Engineering Intern | May 2019 - August 2019

- Wrote a MapReduce Hadoop Job using Scalding to process millions of pieces of data daily
- Developed an internal library in Scala to calculate differentials between entity objects

Software Engineering Intern | May 2018 - August 2018

- Worked as a backend developer for a project to identify grammar and spelling mistakes
- Developed multiple API endpoints in Scala for internal use by the Moments/Curation teams
- Pushed bug fixes to Twitter iOS app

Georgia Institute of Technology / Atlanta, GA
Undergraduate Teaching Assistant | August 2017 - December 2019

CS 2110 - Computer Organization & Programming

- Taught recitations to 75 students about introductory computer architecture
- Designed & graded weekly homeworks for Java, circuit design, assembly language, & C
- Held office hours to answer student questions and offer assistance

Undergraduate Teaching Assistant | January 2017 - May 2017

CS 2050 - Discrete Math

- Taught recitations to 50 students covering discrete math for computer science topics
- Held office hours to assist students with course material

Elavon, Inc / Atlanta, GA
Software Development Intern | May 2017 - August 2017

- Worked with an Agile Scrum development team on a mobile app for processing transactions
- Implemented Touch ID in the iOS app for easier user login
- Added code coverage and unit test support for the app using Cobertura and Slather