

Justin Elli

Software Engineer I
Trimark Associates, Inc

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sprightal-r.github.io

Programming Languages _____ C, C++, C#, Java, JS + JQuery, TypeScript, Python, HTML, CSS, SQL
Frameworks _____ Angular, Blazor, React Native, Asp.NET, NodeJS

Education

Master of Computer Science Georgia Tech OMSCS _____ May 2025

▮ Specialized in Computing Systems, which included extensive training in developing high-performance code and computer architecture as well as fault-tolerant distributed systems.

Bachelor of Computer Science Sacramento State University _____ Dec 2020

Associate Degree in Math and Science Folsom Lake College _____ May 2018

Experience

Software Engineer I Trimark Associates, Inc _____ Jan 2022 –

- ▮ Refactored a flagship web application to align with best practices and lower latency by 2x in 1 year.
- ▮ Maintained front-end and back-end components of a web application to align with customer expectations.

Software Developer Tata Consultancy Services _____ May 2021 – Dec 2021

- ▮ Lead a Scrum group in creating a bank employee portal using Java, JSP, and Oracle 11 (SQL).
- ▮ Created a shopping portal using Angular and NodeJS with a team of four other employees.

Software Development Consultant Mexico Bariatric Center _____ Aug 2012 – Aug 2017

- ▮ Wrote a script for Adobe Photoshop that pastes “before” and “after” images onto an image template.
- ▮ Developed multiple website modules in HTML, CSS, and JavaScript, including a BMI calculator.

Projects github.com/sprightal-r

KNOWledge-Based Agent (Knoba) C++, Artificial Intelligence

- ▮ Produced theoretical conjecture and a C++ implementation of a knowledge-based agent 1 year.
- ▮ Formulated an approach to real-time problems using Machiavellian-like intelligence.
- ▮ Presented the project at the Student Research & Creative Activity Symposium at Sacramento State.

Gateway Simulator Python, Simulation, Research

- ▮ Simulated the energy generation and usage for NASA's Lunar Gateway over the course of a 90-day mission.
- ▮ Analyzed simulation results to recommend an energy generation target for the Gateway's solar panels.

Screen Limit React Native, Java, Android Development, Scrum, Version Control

- ▮ Implemented core functionalities of an Android application designed to limit screen time in React and Java.
- ▮ Utilized the Scrum methodology and version control to generate production-ready code.