

Kristopher Gates

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EDUCATION

Bachelor of Science in Computer Science

University of South Florida
summa cum laude (GPA 3.91)

Tampa, FL
Fall 2017

SKILLS

Platforms: Personal computers, mobile apps, server developer, phones, tablets, full stack
Operating Systems: Windows (domain networking / Active Directory), Linux, Android, cloud / SaaS / PaaS
Languages: Web (HTML/CSS/JS frameworks), JavaScript, Python, Java, C / C++, UML & API Design
Libraries/Tools: MERN Stack, Express.js, React, Node.js, Docker / Conda, VMWare, IDEs (Visual Studio | Code), MongoDB, Electron, Flutter, Microsoft SQL Server, PostgreSQL, Oracle, Postman
Other: customer relationship management | CRM, business to business, Agile, Scrum, CI/CD, SDLC, etc.

WORK EXPERIENCE

Progressive Web App Developer, Maya AI (Aza Project)

July 2023 - Present

- Using the MERN stack, designing Front-end UI features (pages, page logic, etc.) in React + Redux and integrating them into a Node server with Express routing and designing original API endpoints. Working with React modules to interface with a camera and the backend, while also working with a designer to match up challenging Figma designs and essentially continuing on my path as a full-stack Node app developer.

Adjunct Instructor in Java Programming, SCF Coding Academy

May 2023 - Present

- Assisting with and sometimes leading remote lessons of a small class of 6 via Zoom on Java education and preparation for the Oracle Java Certified Associate Java SE 8 Programmer exam. Delivering lectures, developing class materials, leading in group study / exam prep sessions, and providing a few live coding challenges. Helping students prepare for a surprisingly tricky exam and setting them up for success.

Software Development and IT Contracting, Cheeper Geek

December 2017 – Present

- As a 1099-based independent contractor I design a variety of websites, web applications and tools to facilitate or fulfill client use cases and needs. Examples include ecommerce websites, portals/intranets, programs and scripting, electronic health record / EHR systems, improving workflows tackling a myriad of technology integration issues for small and medium businesses.

Software Developer Intern, Tenex Software Solutions

June 2017 – August 2017

- As a summer intern, made positive contributions to an ASP.NET web forms application and also used the new (at the time) Amazon Connect telephony service to create a customized softphone interface which populated the application with known caller information from a database. As well as front-end JavaScript and C# logic, extended the data views and structures in PostgreSQL to support the new features on AWS hosting.

RELEVANT PROJECTS

Neural Networks at USF Biorobotics Lab

November 2016 – Fall 2017

- Learned research principles of implementing neural networks by developing a membrane potential reward function for simulating neurons in a custom language (Neural Simulation Language) to model biologically inspired behavior in graph logic. Modelled a Hopfield Network from scratch for the OCR task. Worked as part of a team with a graduate mentor for program credit to help guide me as a beginner in the field.

Expense Report Development (Java based)

April - June 2011

- Participated on a client driven project which developed and deployed an additional module to facilitate the expense reports and approvals of 1,100 salespeople and their managers.