James Pieper

Saint Louis, MO | (314) 920-3452 | jamesppieper@gmail.com | https://github.com/jamespieper

EDUCATION

Washington University in St. Louis — St. Louis, MO
Bachelor of Science in Computer Science | GPA: 3.53 — *May 2024*

EXPERIENCE

IT Consultant — Dec. 2024 - present
ARCH Design — *Saint Louis, MO*

- Oversaw end-to-end migration of QuickBooks Desktop to Online; managed data consolidation, integrity, and system configuration. Provided troubleshooting for employees to ensure smooth transition.
- Integrated Avalara tax software to consolidate client data for end-of-year tax records.

Manager — June 2021 - Aug. 2023
Jewish Community Center — *Saint Louis, MO*

- Promoted to management after two years of lifeguarding.
- Organized guard rotation schedules, aided member event scheduling, assisted members with general questions and needs, communicated and enforced expectations to subordinate guards.

PROJECTS

St. Ann Golf Course Website | *Angular, TypeScript, Express, MongoDB* — Sep. 2024 - Dec. 2024

- Designed and developed full-stack website for local golf course with user authentication, tee time registration, and course information.
- Built responsive front-end using Angular; integrated Express to implement user and tee time data storage and retrieval with MongoDB.

GeoJams Visualization Site | *D3.js, JavaScript, RESTful API* — Mar. 2024 - May 2024

- Built interactive world map visualization that allows users to view and analyze music taste and song/ artist statistics between countries.
- Utilized D3.js to create visuals/charts and compiled Spotify API playlist data into parsable data frames.

Clicker React Website | *React, Node.js, Firebase,VS Code* — Oct. 2023 - Dec. 2023

- Built responsive full-stack web application in which users compete with one another in real time to accrue in-game currency, purchase upgrades, and level up.
- Implemented frontend with React and Bootstrap, paired with Firebase to store user data, and React Authentication for signup/login.

Meal Plan iOS App | *Swift, Firebase, RESTful API, Xcode* — Feb. 2023 - May 2023

- Collaborated with team through an Agile development cycle to create full-stack iOS app allowing users to search for and save recipes filtered by cost, difficulty, etc.
- Utilized Swift to build user interface, Firebase for backend and authentication, and Spoonacular API for recipe data.

Linux Command Line | C++, *Visual Studio* — Apr. 2022 - May. 2022

- Emulated simple Linux console with C++, implementing commands including ls, cat, copy, etc. to allow users to manage a rudimentary file system.
- Utilized object-oriented design principles such as abstract factory and visitor design patterns to streamline functionality extension and modification.

TECHNICAL SKILLS

Languages: Java, JavaScript, TypeScript, Python, C++, SQL, HTML/CSS, Swift
Frameworks: Angular, React, Node.js, Express, JUnit, Bootstrap
Developer Tools: Git, MongoDB, Firebase, AWS
Libraries: JQuery, D3.js, pandas, Matplotlib, NumPy