

Emanuel Pecson

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EXPERIENCE

JT4

Software Engineer Intern

Las Vegas, NV
05/2023 - Present

- Implemented a **React** app to fix faulty employee photo data, with features for importing and storing images in an S3 bucket
- Streamlined the assignment process of travel-expense approvers by implementing a **Vue** app, offering filtering and look-up functionalities for 3K+ employees
- Developed a file uploader app using **Vue** to store files to be transferred between office locations, preventing data breach and maintaining user file privacy
- Designed API routes with **Prisma** to retrieve filtered data from an **SQL Server** database for optimized data presentation
- Maintained best practices by utilizing **Git** to track project modifications among contributors
- Deployed **WebSocket** functionality to enable real-time updates between clients and the server

General Atomics

Software Developer Intern

Poway, CA
06/2022 - 08/2022

- Developed a data model library with a **CMake** build system that generates and links header files, decreasing data model update processes from ~3 days to ~30 minutes
- Refactored outdated **Python** scripts to parse and convert an IDL file into 35K+ header files
- Integrated **GoogleTest** to ensure **C++** code functionality and streamline the CI/CD process

Clark County Public Works

IT Intern

Las Vegas, NV
01/2022 - 05/2022

- Automated data entry processes using **Python** and **Selenium** to parse and store 600+ office data, reducing job-completion time from ~4 days to ~20 minutes
- Created an app with **JavaScript** that displays 70+ county parks as selectable points on a map and showcases park details

PROJECTS

Gatekeeper

<https://unlvgatekeeper.com>

- Created a **Next** app to verify event-entry authorization, distributing QR codes scannable via a device's integrated camera
- Implemented email notifications to notify affected users when host users modify or cancel events
- Integrated real-time data retrieval to create a group chat for seamless communication among users

Abilliti

<https://abilliti.com>

- Developed an ongoing **React** app with tools for helping small businesses manage their finances, invoices, and projects
- Collaborated with a 3-member team, effectively managing workload distribution and conducting code reviews

NBA Fantasy Optimizer

<https://github.com/emanpecson/nba-fantasy-optimizer>

- Created a tool in **React** to help fantasy sports bettors optimize their lineup to hold the most productive players
- Designed a **Python** script to parse NBA website data with **Selenium** and automatically store it into a **MongoDB** database

SKILLS

Languages: TypeScript, JavaScript, C++, Python, HTML/CSS

Frameworks: React, Next, Vue, Nuxt, React Native, Tailwind CSS

Tools: Git, Node, MySQL, MongoDB, Prisma, Selenium, Postman, AWS

EDUCATION

University of Nevada, Las Vegas

BS Computer Science
GPA: 3.86/4.00 (Cum Laude)

Las Vegas, NV
08/2020 - 12/2024