

ANDREW CAMPBELL

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Skills

Python	Java	C#
C++	Kotlin	Software Testing
Html, CSS, JavaScript	MySQL	React
MATLAB	Leadership	Team Player
Agile	Design Principles	UI, UX
Algorithms	Arduino	Troubleshooting
Unit Testing	Management	Goal Oriented

Work History

Engineering Projects:

Time Series Data Mapping Landing Page:

Web Application - React (it hasn't been pushed to a repo yet so no repo link)

- Constructed a web application landing page with the capability to retrieve and dynamically present data from an API, enhancing user engagement and data accessibility.
- Transformed raw data into informative visual representations, utilizing cards, charts, and tables, thus facilitating comprehensive data exploration for users interested in water location details.
- Gained valuable proficiency in API integration, charting, and data table management through hands-on experience and learning opportunities.

Heart Monitor:

Console Application- Python – [GitHub Link](#)

- Showcased my expertise in software quality and testing techniques by successfully developing a robust Heart monitoring application with testing procedures.
- Strategically devised and implemented a comprehensive test plan, leveraging the Agile methodology to thoroughly evaluate all aspects of the program.
- Skillfully employed a variety of testing techniques to meticulously identify and rectify any bugs or issues present within the application.
- Demonstrated my analytical skills by identifying and executing multiple test cases using a diverse range of testing techniques, ensuring the application's reliability and performance.

WinVoice:

Web Application- React, JavaScript – [Application Link](#)

- Collaborated as a vital team member in the development of our invoice tracking application.
- Employed agile methodologies to effectively manage and drive the project's success.
- Demonstrated a rapid learning of knowledge in React and proficiently utilized it to dynamically render data into interactive tables.

[Alexander Lake:](#)

Website- JavaScript, HTML, CSS – [GitHub Link](#)

- Spearheaded the design and development of a dynamic one-page application, with a primary emphasis on crafting a robust visitor table.
- Leveraged my expertise to skillfully implement temporary data storage and ensured rigorous validation of each entered item.
- Acquired in-depth knowledge of table rendering, input validation, and table updates, while successfully applying the Model, View, Controller design pattern.

Work History:

Software Hydroinformatics Intern – [GitHub Link](#)

Contract – Western States Water Council – Murray, Utah.

July 2023 / Present

- Developed a water site timeseries landing page so users can view all info pertaining to that site.
- Enhanced user interaction on the website by implementing updates to the UX/UI sections.
- Utilized Figma to create detailed wireframes reflecting proposed changes.
- Employed Python scripts for efficient data extraction and preparation from CSV files, facilitating seamless database integration.

Night Shift Production Manager

Aug 2017 / Present

Ferrari Color/Signs.com – Salt Lake City, Utah.

- Oversaw and optimized the performance of the night shift production staff, ensuring seamless and efficient workflow.
- Strategically organized the shift schedule based on the specific demands and requirements of each task, maximizing productivity.
- Demonstrated exceptional problem-solving skills by identifying and promptly reporting bugs in our internal management system, facilitating their resolution through effective communication.
- Proactively trained employees in various processes, empowering them with the necessary skills and knowledge to excel in their roles.
- Implemented crucial changes and adaptations to drive success, showcasing a proactive and result-oriented approach to continuous improvement.

Digital Printer Operator

May 2015 / Aug 2017

Ferrari Color – Salt Lake City, Utah.

- Lead the way with proficiency in operating a large format digital printer, consistently delivering high-quality prints that positioned our print shop as a leader in the industry.
- Maintained an unwavering focus on excellence, consistently exceeding customer expectations and establishing a reputation for superior print shop.
- Proactively sought opportunities for improvement, continuously refining and enhancing work processes to optimize efficiency and productivity.
- Exhibited outstanding problem-solving skills by diagnosing and troubleshooting printer issues, swiftly resolving technical problems to minimize downtime and maximize output.

Service Sales Representative

Sept 2013 / May 2015

Cintas – Salt Lake City, Utah.

- Managed a successful weekly delivery route, ensuring timely and efficient linen services to a diverse customer base.
- Proactively engaged with customers, demonstrating exceptional interpersonal skills to ensure their utmost satisfaction and foster strong relationships.
- Exhibited strong negotiation and sales skills by working closely with customers to secure new contracts, fostering business growth.

Education

Bachelor of Science: Software Engineering

Graduated May 2023

Utah Valley University – Orem, UT

- ABET Accreditation

Associate of Science: General Studies

Graduated Dec 2017

Salt Lake Community College - Salt Lake City, UT

Certifications/Awards

- **Programming Certificate** – Utah Valley University
- **Eagle Scout Rank** – Boy Scouts of America

Received Dec 2021

Received Jan 2009