

Michael Ball

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Education

California State University, Fullerton

Bachelor of Science in Computer Science

Expected Graduation: December 2024

Work Experience

- **IT Systems Analyst, Infinity Technologies** Sep 2024 - Oct 2024
 - Work in Active Directory for onboarding employees. Onboarding includes adding the user to the local AD server, syncing the server with the cloud, adding the user to M365, and preparing their hardware/software according to the user's particular needs.
 - Utilized Remote Management software, Email threat detection and spam filtering software, and remotely managed antivirus software in order to resolve daily issues. Issues were processed and managed through IT ticketing system
- **Facilities Systems Analyst, Willdan Group** Jul 2023 – Sep 2024
 - Overseeing and collaborating with junior software developer to develop office emergency notification and check-in system using Microsoft Power Platform
 - Employees are given evacuation instructions and a link to click to indicate they are safe.
 - Created Excel tool that ingests, validates, and processes FedEx invoice data for payment
 - Partnered with IT department during ISO 27001 and SOC 2 Type II audits, to gather evidence of physical security compliance
 - Implemented python scripting to automate the collection and formatting of audit documentation
 - Created browser automation tool that accesses cloud storage API in order to automate the process of updating reference information available to those who make shipments with FedEx
 - Assisted in the creation and maintenance of portion of internal company website that displays department information
- **Facilities Coordinator, Willdan Group** Jun 2019 - Jul 2023
 - Used ticketing system to quickly processed the creation, deletion, and modification of physical access permissions for employees at company locations throughout the United States

Projects

Artificial Intelligence | python

- Used A* search and complex heuristic algorithm to determine best course load for a CSUF computer science student, given the student's current academic record
- Used constraint satisfaction to automatically solve logic puzzles
- Experimented with Bayesian networks in order to simulate network connection probabilities
- **Web Development | Tailwind CSS, Node.js, React, mySQL**
 - Multiplayer tic-tac-toe website, using pocketbase for the backend and react for the frontend
 - ETF trading strategy analyzer based on Yahoo Finance data, built with Node.js/Express
 - Event Manager website with PHP and mySQL. Website allows users to make accounts, create events, join events, add guest speakers to events, etc.

Technical Skills

Languages: Python, C/C++, C#, x86 assembly, JavaScript, TypeScript, HTML/CSS, PHP, mySQL

Developer Tools: Linux, BASH, PowerShell, Git, Docker, VS Code, AWS, VMWare, WordPress

Libraries: pandas, NumPy, pywin32, openpyxl

Certifications: AWS Certified Cloud Practitioner