

# Andrew Faust

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## SKILLS

**Languages:** C#, SQL, Python, Html/CSS/JavaScript, C++, C

**Technologies:** .NET {Core}, ASP.NET {Core}, Git, Azure, CI/CD, Docker(*learning*)

**Environments:** Visual Studio, Visual Studio Code, Microsoft SSMS, Microsoft Power BI.

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## PROFESSIONAL EXPERIENCE

**ZPower LLC**, Camarillo, CA

*Software Engineer*

**Jan 2018 – Present**

- ▷ Redesigned and developed multiple desktop applications in C#/.NET used in critical parts of the battery manufacturing process.
- ▷ Implemented CI/CD pipelines using Azure DevOps to help increase build and deployment efficiency.
- ▷ Produced key performance BI reports, allowing multiple departments to review and assess crucial production data.
- ▷ Developed internal web pages using ASP.NET {Core} for employees to visualize production data and create records.
- ▷ Maintained multiple applications, services, and databases used in the manufacturing process.

**Bunim/Murray Productions**, Glendale, CA

*Contract Software Developer*

**Sep 2017 – Nov 2017**

- ▷ Utilized REST and SOAP APIs to create scripts to transfer employee data from UltiPro HCM to on-premise storage. Increased efficiency for HR by allowing for automated form completion.
- ▷ Recreated a call log application used by the CEO by creating a similar UI using FileMaker Pro and backfilling data from an old Microsoft SQL database into an on-premise database.

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## PROJECTS

**Thread Library**

**May 2017**

- ▷ Created a user-level thread library in C that allows users to create and manage multiple threads. Implements thread preemption, semaphore locks, and thread private storage. A linked-list queue library was also created to keep track of running threads.

**IEEE 802.11-Based WLAN Simulation**

**March 2017**

- ▷ Developed a time-based Discrete Event Simulation of an ad-hoc WLAN network in Python between 20 hosts, using an exponential backoff scheme.
- ▷ Successfully implemented a doubly-linked-list with linear sorting to act as a global event list, and a singly-linked-list queue to act as each host's buffer.

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## EDUCATION

**University of California, Davis**, Davis, California

*B.S of Computer Science*

**Sep 2015 – June 2017**