**Andrew Pokorny**

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Bloomington, IN 47403

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415-971-7123

**Education:**

**Rose-Hulman Institute of Technology**

BS Computer Science

May 2018

Terre Haute, Indiana

**Experience:**

NSWC Crane

July 2018-Present

Crane, IN

**Research & Development**

* Lead a team of contractors to integrate a Navy and Air Force system for a test event using cutting-edge proprietary networking technology
* Lead a research and development team to develop competitive, autonomous boats.
* Programmed an Arduino to control a 3D printed boat.

**Software Development**

* Write applications to monitor the status of a power supply.
* Work with a hybrid Agile team to deliver timely, tested releases.
* Becoming proficient with C#, DotNet, and Entity Framework.
* Perform Entity Framework database migrations in order to add new features and change data types.

**Achievements**

* Resolved a video production race condition by keeping screenshots in memory instead of saving to a file system, ensuring video recording production was always precisely timed.
* Optimized a poorly performing Entity Framework query that used many aggregate methods by 30x. Replaced it with a raw SQL query that uses Join, Group By, Having, and Order By statements.
* Migrated a project from SQLite to PostgreSQL in order to remove race conditions caused by persistent insertion, update, and deletion queries.

**Madison Park HOA**

January 2024-Present

Bloomington, IN

**President**

* Reformed a very productive working relationship with the property management company that had negative outcomes with previous president.
* Organize and run monthly and annual meetings to build consensus, communicate, and work towards achieving goals.
* Utilized Google Form surveys to identify the highest needs of the community and gather project requirements.
* Created PowerPoint slides, meeting packets, and newsletters to better prepare unit owners and board members for HOA meetings.

**Achievements:**

* Replaced units rotting windows
* Approved a Right-of-Entry agreement to allow fiber internet to be installed
* Achieved unit consensus on smoking and unit rental rights
* Approved creation of a Reserve Study
* Parking lot drainage remediation and pothole repair
* Common hallway flooring replacement
* Leveling of dangerous walking path
* Found solution for a difficult unit owner’s chronic drainage issue
* Moved and replaced the community garbage enclosure

**Penguin Computing:**

June-August 2017

Fremont, CA

**Server Engineering Intern**

* Designed and built a power monitoring system that utilized an Apache server, MySQL Database, and Arduinos.
* Recorded documentation for the entirety of the project.

**Skills**:

**Technical**:

* SQL Postgres & SQLite
* FFMPEG
* Docker
* Windows
* Arduino
* Raspberry Pi
* Entity Framework
* Git (GitLab)
* RHEL
* Ubuntu

**Management**:

* Agile
* Problem Solving
* Presentations
* Communication
* Documentation
* Possess active security clearance

**Programming Languages**:

* C#
* C++
* C
* Javascript
* Html
* Vuejs
* Java
* Markdown