



# GRANT MILLER

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## EXPERIENCE

2020 – PRESENT

**SENIOR SOFTWARE ENGINEER**, EXTRON ELECTRONICS

- Responsible for technical development of Extron's Room Scheduling suite of products
- Developed integrations for several third-party API's and built new company partnerships
- Built technical requirements for hardware and software engineering teams
- Partnered with other product leads to develop internal API's that allow for a cohesive ecosystem.

AUGUST 2019 – 2020

**SOFTWARE ENGINEER - PRODUCT DEVELOPMENT**, EXTRON ELECTRONICS

- Collaborated with Marketing to groom product backlog
- Managed team Confluence pages to track all Research and Development efforts
- Worked with UX Team to develop workflows and UI designs for various products
- InAVation Control and Management software of the year winner, 2019

JUNE 2011 – AUGUST 2019

**APPLICATIONS ENGINEER - SALES**, EXTRON ELECTRONICS

- Responsible for end-to-end project management for dozens of customers each year
- Created robust and scalable embedded control systems for multi-million-dollar Audio/Video Systems including universities, government facilities, and industry-leading companies across the country
- Supported customers in design/troubleshooting of their own AV Control Systems

DEC 2011

**BACHELORS DEGREE - ELECTRICAL ENGINEERING**, CALIFORNIA STATE UNIV LONG BEACH

## SKILLS

- **Languages** – Python, HTML, CSS, JavaScript
- **Frameworks** - Flask, Django, Bootstrap, JQuery, FastAPI, SQLite, SQL Alchemy
- **Python** - Code management and efficiency: Virtual Environments, Dependency Management, Multi-processing, Multi-threading
- **API Development and Integration** - HTTP / REST APIs, OAuth, Exchange Web Services, JSON, SSL

## PERSONAL PROJECTS

- Ecommerce Store: <https://PrettyBowsAndTinyToes.com> - Built with Flask/Bootstrap/SQLite
- Pythonic SQLAlchemy Interface: <https://pypi.org/project/flask-dictabase>
- Pythonic Background Task Manager: <https://pypi.org/project/flask-jobs/>
- Python interface for SpringShare's LibCal API: [https://github.com/GrantGMiller/libcal\\_api](https://github.com/GrantGMiller/libcal_api)
- Python Interface for National Weather Service: [https://github.com/GrantGMiller/nws\\_alerts](https://github.com/GrantGMiller/nws_alerts)
- More at GitHub: <https://github.com/GrantGMiller>

## ABOUT ME

I received by BS in Electrical Engineering in 2011, but somehow fell in love with programming along the way. I love blending hardware and software to find new solutions. Nothing motivates me more than hearing another engineer say, "that's impossible". I take that as a personal challenge. I hope we can build tools to make a positive impact on real people. In my free time, you can mostly find me as a Husband and Father of 4. I have also served on the Finance Committee of a local non-profit organization. And I have led several casual book studies. If I have any time to myself, I will occasionally bowl a few frames and maybe even knock down a few pins.