

# Sean Dever

Hardware-oriented electrical engineer focused on creating solutions for a wide variety of analog and digital design challenges, including DC motor control, battery management systems, DC-DC converters, sensor integration, capacitive sensing, and many circuits focused on user interaction.

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## EXPERIENCE

### Facture Design, Seattle — *Electrical Engineer*

MARCH 2018 - DECEMBER 2018, MAY 2019 - PRESENT

- Work on a team of electrical and mechanical engineers to prototype an assortment of unique consumer products
- Spec and integrate a multitude of electrical components for a wide variety of technical contexts
- Develop firmware for a range of user-facing products and microcontrollers
- Design and assemble PCBs for various original products; 30+ PCBs to date

### Itek Energy, Bellingham — *Intern/Research Assistant*

APRIL 2016 - MARCH 2018

- Installed 40 solar panels with various module-level power electronics (MLPEs) and communication devices
- Designed and implemented a modbus network with a Raspberry Pi to retrieve and store data from a weather station
- Wrote code to collect power data from several solar system topologies and used MATLAB to analyze the data

### Rudy's Pizza, Bellingham — *Manager*

AUG 2015 - MARCH 2018

- Manage employees in various positions
- Keep kitchen and dining room clean and sanitary
- Cook and serve pizzas to customers
- Maintain a friendly and comfortable environment in a busy dining room

## EDUCATION

### Western Washington University, Bellingham, WA

SEPT 2011 - JUNE 2013, SEPT 2014 - JUNE 2018

**Major:** Electrical Engineering

**Minors:** Math, Energy Science

## QUALIFICATIONS

- Extensive benchtop experience debugging PCBs and analysing circuits
- Experience with Eagle, Altium, Matlab, Netbeans, IDLE, Multisim and SPICE
- Experience with C/C++ and Python
- Experience with microcontroller firmware development (ARM, AVR)

## QUALITIES

- Highly Motivated
- Independent
- Creative
- Patient

## INTERESTS

- Backpacking
- Skiing
- Guitar
- Biking