

## EDUCATION

### Montana State University

BS, Professional Physics - Spring 2018  
GPA: 3.95

## WORK EXPERIENCE

### 15Five Inc

Oct 2019 - Present

A startup seeking to elevate the performance and engagement of employees by promoting communication and vulnerability in the workplace

#### Frontend Engineer

- Used React hooks to build functional components from design mocks
- Spearheaded initiative to increase frontend test coverage
- Launched A/B testing to make data driven design decisions
- Reduced tech debt by refactoring legacy code from jQuery into React
- Ensured code quality by reviewing pull requests daily

### Triple Tree LLC

Mar 2019 - Aug 2019

A software firm offering technical consulting and web development

#### Software Engineer

- Improved security by implementing OAuth2
- Reduce HR strain by automating email communication
- Transformed client designs into React + Redux components
- Optimized UX by building a video recommendation engine

### The Business Garage

Feb 2018 - Mar 2019

A software firm specializing in web development

#### Junior Software Engineer

- Managed backend deployments for a web app with 50K users
- Optimized database queries by caching content
- Ensured scalability by using AWS to perform distributed load tests
- Leveraged FCM to send push notifications and promote user engagement
- Integrated a virtual credit card to satisfy business needs

### LIGO Scientific Collaboration

2013, 2016 - 2018

Part of a global investigation of gravity in relativistic astrophysics

#### Researcher

- Applied for and received grant funding
- Wrote deep neural networks for data classification
- Extracted information from large amounts of noise
- Modeled neutron stars to test Einstein's theory of gravity

## SOFTWARE PROJECTS

### Open source contributions

- React
- Freqtrade
- Django
- vim-test
- pandas
- adonis-airtable-provider

### Bare metal Kubernetes cluster

- Included Traefik for ingress
- Implemented CNI with Weave Net
- Automated deployments with a webhook listener and cert renewal with Let's Encrypt

### Enterprise grade home network

- Improved speed with Squid as a caching proxy
- Reduced latency with a Pi-hole dns cache
- Increased security by tunneling through a VPS running OpenVPN

### For more info

[johnpribyl.com](https://johnpribyl.com)

[github.com/jpribyl](https://github.com/jpribyl)

## OTHER EXPERIENCE

### Teaching & Coaching

- 8 years of experience
- Ages from 5 to 50 years
- Math and Physics at a college level

### Grand Canyon Rafting

- Successfully led a 3 week, unguided raft trip
- Planned all logistics for 16 people
- Safely rowed a raft down 280 river miles

## SKILLS

**Proficient** - Used daily at present

Arch Linux, Bootstrap, Django, Git, JavaScript, PostgreSQL, Python, React (with hooks!), Redux, Sass, Vim,

**Familiar** - Used daily in the past

AWS, AdonisJs, Bash, Bokeh, D3, Docker, Express.js, FCM, Hapijs, Heroku, Jupyter, Keras, Kubernetes, MariaDB, Mathematica, Matplotlib, NLTK, Node.js, Numpy, Pandas, Redis, RethinkDB, SKLearn, SQLite, SciPy, Seaborn, Selenium, Tensorflow,