

# NICHOLAS PRUSSEN

## Student/Researcher at Boise State University

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## CAREER OBJECTIVE

I seek a challenging and industry leading environment where I can continue to learn and lend my knowledge of Computer Science to help your organization continue to innovate.

I wish to build my skills and continue to learn in every possible task, only limited by how much time is in a day.

## WORK EXPERIENCE

### Student Researcher

#### Boise State University

📅 August 2021 - Ongoing 📍 Boise, ID

📅 January 2020 - May 2021 📍 Boise, ID

- Working alongside professors and students to create data flow optimizations with programming languages and transformations.
- Currently doing Web Development to integrate benchmark results stored in MongoDB to be displayed on a dynamic website.

Python MongoDB React.js HTML/CSS

### DISE Intern

#### Hewlett Packard Enterprise (HPE)

📅 May 2021 - August 2021 📍 Boise, ID

- Working alongside a storage focused team creating proprietary internal tools.
- Currently doing automatic bug prediction and helping reduce time spent on duplicate failures.

Python MongoDB Vue.js Flask Node.js

## EDUCATION

### Bachelor of Computer Science

#### Boise State University

📅 January 2019 - December 2021 📍 Boise, ID

Programming Languages Data Structures Databases

Discrete Mathematics Algorithms

## OTHER INTERESTS

Photography Backpacking Drawing

BSA (Eagle Scout) Cooking

## PROJECTS



### Wumpus World App

A recreation of my CS121 final project into an Android app to help me learn app development. The final release can be found on the [Google Play Store](#)

Android Java Android Studio



### Parflow Performance Testing

Parflow is a hydrology model used to simulate ground water across CONUS. Through Boise State, I have been working with the Hydroframe team in making benchmark results for Parflow more easily accessible.

Python MongoDB HTML/CSS React.js



### Amplyst.com

This started as a personal project and is my first venture into full stack web development. This app is a WIP and uses a React.js Frontend with a Flask Restful API and MongoDB as the DB of choice.

React.js Flask Restful MongoDB  
JWT Docker Python JavaScript

## SKILLS

### Frontend Development

- HTML, CSS, SCSS, JavaScript, React.js, Chart.js, JQuery, PHP, Angular

### Web Dev Backend

- Flask, flask-restful, JWT, PHP, NGINX, Apache

### Database Management

- MongoDB, MongoDB Compass, MySQL, MySQLWorkbench, flask-mongoengine, Restful API's

### Software Platform Services

- GitHub, Heroku, Travis-ci

### System Administration

- Systems: Windows XP-10, Debian, Arch, CentOS/RedHat based Linux
- Personal Home Server / NAS (CentOS)

### Languages

- Python, JavaScript, Java, C, SQL, PHP, HTML, CSS