

Nathan Magrogan

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EDUCATION

GONZAGA UNIVERSITY

BS IN PHYSICS

MINOR IN COMPUTER SCIENCE

May 2020 | Spokane, WA

College of Arts and Sciences

Dean's List: Fall 2016, Spring 2018,
Spring and Fall 2019

Cum. GPA 3.56 / 4.0

Major GPA 3.62 / 4.0

EXTRACURRICULAR

GONZAGA FREERIDE CLUB

VICE PRESIDENT

- Founding member.
- Led board meetings of 7 board members.
- Oversaw event planning.
- Led and participated in events such as group rides, movie nights, and club competitions.

LINKS

Github:// [nmagrogan](#)

Personal Site:

[nmagrogan.wordpress.com](#)

RELEVANT

COURSEWORK

Algorithms and Data Structures

Theory of Computation

Artificial Intelligence

Software Development

SKILLS

Data Analysis • Customer Service
Problem Solving • Self Motivation
Public Speaking • Teamwork
Independence • Time Management

TECHINICAL

Proficient:

Python • C++ • Java • Ruby

Git • Bash • Linux • LaTeX • Geant4

HTML • CSS • Ruby on Rails

RESTful Web Services

Familiar:

Docker • SQL • PHP • Redis

Javascript • Go • Matlab

WORK EXPERIENCE

GONZAGA UNIVERSITY PHYSICS DEPARTMENT

RESEARCH INTERN

Summer 2019 | Spokane, WA

- Built a simulation for a gamma ray detector.
- Worked with another student, and was advised by **Professor Adam Fritsch**.
- Used a C++ toolkit called Geant4 to code the simulation.
- Used Root6 to analyze data.
- Gave a 30 minute presentation to a group of peers at the Research Poster Fair.

GONZAGA LAW SCHOOL

OFFICE OF STUDENT SUCCESS & BAR EXAM PREP | OFFICE ASSISTANT

September 2019 – May 2020 | Spokane, WA

- Prioritize tasks given by multiple supervisors.
- Collaborate on assignments using Microsoft Teams.
- Complete general office tasks.

GONZAGA OUTDOORS | ASSISTANT GEAR MANAGER

October 2016 – November 2018 | Spokane, WA

- Led trips, advised first year students, helping them acclimate to college life at Gonzaga.
- Maintained and organized rental gear.
- Developed skills in gear maintenance and repair, social media advertising, creating printed advertisements, and event planning.

BOREAL MOUNTAIN RESORT | TICKET SALES

Oct 2014 – April 2016 | Soda Springs, CA

- Developed exemplary customer service skills.
- Responsible for daily cash reconciliation and credit card transactions.
- Learned radio communication to efficiently and concisely communicate with other departments on the mountain.
- Participated in safety trainings to be prepared for any thing that could happen at the mountain, such as power outages, windstorms, medical, etc.
- AIARE level 1 avalanche course.

PROJECTS

BIDS EYE

RUBY ON RAILS WEB APPLICATION

July 2020 - Current | WIP

BidsEye.net

- Developing a web application to analyze bid data for commercial construction jobs.
- Working with my Father on an idea that he had.
- Sole developer of the website.
- Creating with Ruby on Rails.
- Working through **The Odin Project** to learn Ruby on Rails and full stack web development.
- Had no real prior web development experience before starting this project.