

# Jonathon Vasilak

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Seattle, WA

## EDUCATION

### University of Notre Dame

Bachelor of Science | Computer Science

GPA: 3.54

Notre Dame, IN

May 21<sup>st</sup>, 2023

## CLUBS AND ACTIVITIES

GreenDot Certified

Notre Dame Futsal Club

Fighting Irish Racing Vehicle Dynamics Subsystem Lead

## RELEVANT COURSES

Data Structures, Database Concepts, Modern Web Development, Algorithms, Data Science

## EXPERIENCE

### Database Concepts

*Course Project, Gamer Gatherer: August 2021 – December 2021*

- Developed a webapp using HTML, PHP, and JavaScript
- Created an algorithm to rank players' skills in FIFA based on recorded scores
- Used MySQL server to store 50,000+ data points for use in webapp
- Wrote queries to SQL server to receive and update data for the webapp

### Introduction to Droid Building

*Course Project: January 2022 – May 2022*

- Constructed a functioning droid with motors, sensors, sound, and display
- Programmed an Arduino microcomputer that controlled the droid
- Droid could complete pre-programmed tasks or could be controlled by a human operator
- Designed parts and printed parts for droid using CAD software

### Modern Web Development

*Course Project: August 2022 - December 2022*

- Built a webapp using React, CSS, and JavaScript
- Worked in an Agile manner by adding new features every two weeks
- Project required full stack development to complete

### Amazon (AWS IoT)

*SDE Intern: May 2022 – August 2022*

- Planned, executed, and presented project for duration of internship
- Added front-end functionality for new AWS features
- Used React to create components AWS customers interact with
- Added unit tests to ensure code works as expected
- Wrote API calls to display data in the AWS console

## SKILLS & ABILITIES

Technical: React, SQL, Data Structures, Linux, AWS, Arduino

Programming Languages: JavaScript, TypeScript, Python, Java, HTML, C++, C, PHP, Shell

General: Collaboration, Problem Solving, Project Planning, Ability to Multitask

## LINKS

Github: <https://github.com/jvasilak>

LinkedIn: <https://www.linkedin.com/in/jonathon-vasilak>