Markus Peterson

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EDUCATION

Indiana University, Bloomington, IN — Graduated December 2020

Bachelor of Science in Computer Science

- Specialization: Software Engineering

Cumulative GPA: 3.06 / 4.00

Ivy Tech Community College, Bloomington, IN — Graduated May 2018

Associates of General Studies

Cumulative GPA: 3.00 / 4.00

WORK EXPERIENCE

Tutor Computer Science Students — January 2020 – January 2021

- Answer questions and assist in the learning of C and Java for classmates and students studying artificial intelligence and distributed systems.

Ivy Tech Bloomington ASAP, Bloomington, IN — May 2018 – December 2019

Director's Assistant

- Recruit high school juniors and seniors for the Associates Accelerated program (ASAP).
- Organize class schedules for all current students to ensure they complete the program and get their associates degree in eleven months.

TECHNICAL SKILLS

Languages: Java, C, Python, C#

Platforms: Microsoft Windows, macOS, Linux

Databases: Microsoft Access, PostgreSQL, Redis

Web Development: JavaScript, HTML, CSS, ReactJS, ThreeJS

ACADEMIC PROJECTS

Software Engineering — Fall 2020

- Followed an agile developments cycle to create and deploy a working application with a project team.
- Used Jira for project, sprint, and issue management, along with bi-weekly reports and customer meetings to ensure consistent progress.

Intro to Artificial Intelligence — Fall 2020

- Used Keras in Python to develop a convolutional neural network to distinguish American Sign Language signs.
- Project team used data collected from students to train, test, and fine tune the neural network.

Distributed Systems — Spring 2020

- Used python to look at both distributed computing fundamentals, and to study the design of popular distributed systems.

System Programming with C and Unix — Fall 2019

- Learned dynamic memory allocation using pointers to reduce memory usage.

Data Structures and Algorithms — Fall 2019

- Studied algorithms, computing problems, and techniques for operating on data structures.