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 deploye 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.