Luke Gude

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Education

University of Maryland - Baltimore County   **Baltimore, MD**
Bachelors of Science - Computer Science
GPA: 3.8/4.0(Major) 3.2/4.0 (Actual)

Skills and Relevant Coursework

Programming Languages: *Prior experience in C++, Python, SQL, Java, Swift, Linux, Assembly*
Industry Knowledge: *System development, Software Development Lifecycle, Cloud computing*
Relevant Coursework: *Software Engineering I, Introduction to Artificial Intelligence, Data Structures, Discrete Structures, Design& Analysis of Algorithms*

Work Experience

Software Engineer - Research Assistant   **Baltimore, MD**
University of Maryland - Baltimore County   **11/2021 - Present**
- Worked with several PhD students to reduce the power consumption and travel time of clock signal distribution
- Reduced clock power by 43% using custom algorithm and patented tools
- Developed on multi-tiered system to produce a tool to simulate distributions
- Constructed multiple algorithms using complex data structures to minimize time complexity and runtime
- **Skills Used:** *C/C++, Python, Linux, Assembly*

Data Science Programmer   **Baltimore, MD**
University of Maryland - Baltimore County   **06/2020 - 11/2021**
- Integrated business intelligence assets into customer relationship management tasks, improving service personnel's available intelligence.
- Optimized business intelligence reporting capabilities for secure server environment.
- **Skills Used:** *SQL, Python*

Hobbies/Interests

Member of Varsity Swimming and Diving Team   **Baltimore, MD**
University of Maryland - Baltimore County   **Aug 2019 - Present**
- **Demonstrated exceptional time commitment while training 20+ hours per week while holding a good GPA and jobs**
- **Expresses fantastic leadership qualities while being voted as captain for the 2021-2022 season**
- **Shows great teamwork skills**