

Jackson Gold  
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Analytical AI  
1500 1st Ave N  
Birmingham, AL 35203

Hello Software Team Hiring Manager,

I am Jackson Gold, and I am applying for the Software Engineer role because I believe Analytical AI's mission of providing effective AI solutions to public safety issues will lead to the prevention of many potential hazards. My experience developing applications in college and my internships, and my passion for learning should hasten my integration and allow me to contribute quickly after joining the team.

During my time as a Marketplace Product Intern with Lucid Holdings LLC, I worked as part of an agile team that built and maintained several services that were part of Lucid's SOA and wrote multiple endpoints for the RESTful APIs used by those services. I completed several projects during my time in school, including: a data structures library made in C++ containing a binary heap, a reversible dynamic array, and a red-black tree, a Lisp interpreter made in Python, and a multi-threaded message service made in Java and C.

Thank you for your time and consideration, and if you have any questions please do not hesitate to reach out. I look forward to the opportunity to speak with you further.

Kind Regards,  
Jackson Gold

Jackson M. Gold

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## Education

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### **Bachelor of Science in Computer Science** *with Minor in Mathematics* December 2022

The University of Alabama, Tuscaloosa, AL

GPA 3.7/4.0, *Cum Laude*, Honors College

## Skills

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- Proficient in C, C++, Golang, Unreal Engine 5, Java, Linear Algebra, Object-Oriented Programming, Probability and Statistics, Calculus, Visual Studio, Visual Studio Code, and Eclipse
- Can speak Spanish at a conversational level
- Working experience with Assembly, .NET, Python, Haskell, Docker, C#, MySQL, MongoDB, Grafana, Git, Terraform, Jenkins, Prometheus, HTML5, and AWS

## Experience

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### **Marketplace Engineering Intern** June 2022-August 2022

*Lucid, LLC, New Orleans, Louisiana*

- Upgraded the Jenkins CI/CD pipeline of an internal application responsible for inter-application communication and updated its infrastructure to use a Kubernetes framework, which improved security and scalability
- Added internal Golang endpoints to increase the efficiency of data transfers by reducing extraneous API calls

### **Marketplace Engineering Intern** June 2021-August 2021

*Lucid, LLC, New Orleans, Louisiana*

- Improved metric tracking, created a Grafana dashboard, and revised deprecated code for an internal service assisting dozens of clients, which needed an overhaul to follow Lucid's newest code standards

## Projects

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### **Notre-Dame de Reims VR Game**

- Used Unreal Engine 5, C++, and LIDAR scans of the Notre-Dame de Reims Cathedral to revamp a virtual reality game for publication to the Oculus Store, while leading an agile development team with six other students

### **GEE Language**

- Designed a C style dynamically typed programming language styled with two other students meant to improve ease-of-use for graph-like data structures

### **Lisp and Lox Language Interpreters**

- Wrote interpreters for the Lisp and Lox programming languages, in Python and C# respectively