

Leon Montealegre

leonm99@gmail.com // +1 (310) 782-4108 // <http://leonmontealegre.com/>

Objective

Seeking to gain an entry level position or internship as a software engineer or other related field.

Education

Rensselaer Polytechnic Institute (RPI), Troy, NY | Master of Science

M.S. in *Computer Science*

Fall 2021 - Present

Rensselaer Polytechnic Institute (RPI), Troy, NY | Bachelor's of Science

B.S. in *Computer Science, Applied Mathematics, and Physics*

2017 - Spring 2021

GPA 3.70

magna cum laude

Coursework

Data Structures

Computer Organization

Advanced Computer Graphics

Numerical Methods for Diff. Eqs.

Logic Design & Boolean Algebra

Foundations of Computer Science

Theoretical Mechanics

Principles of Software

Numerical Computing

Physics 2

Linear Algebra

Introduction to Algorithms

Computational Vision

Electromagnetic Theory

Partial Differential Equations

Quantum Physics 1 & 2

Experimental Physics

Introductory Quantum Mechanics

Advanced Calculus

Geophysical Fluid Dynamics

3D Visual Effects

Technical Skills

Languages: Java, C++, JavaScript, TypeScript, Python, GLSL, Swift, C, C#, PHP, SQL, HTML, (S)CSS, Golang

Frameworks/Libraries: React, Electron, Bootstrap, npm, NumPy, Docker, Webpack, Jest, Redux

Software: Adobe Photoshop, Adobe Illustrator, Android Studio, Autodesk Maya, Unity, XCode, Logic Pro X

Projects/Research

OpenCircuits // www.opencircuits.io // *[Project Leader]*

My open source project. It began as an independent study with a professor at Pasadena City College and is being used by students for logic design classes. It's a free web-app that allows you to create and design digital circuits using logic gates, LEDs, switches, etc. I'm currently hosting the project on RPI's Rensselaer Center for Open Source (RCOS) where I'm currently the project manager and leader of a team of 10+ people.

Work Experience

Google Inc. // (New York, NY | Summer 2021) // *[Software Engineering Intern]*

I worked with the Dependency Management team, an internal team developing infrastructure to better manage dependencies for services within Google. I specifically created a visualization tool to allow users to more easily understand the composition of their dependency graph.

Google Inc. // (New York, NY | Summer 2019) // *[Software Engineering Intern]*

I facilitated the delivery of Access Transparency logs to enterprise GSuite customers by improving the UX of Google Admin Console. I improved alerting functionality and made it easier for customers to recognize and understand why a Googler accessed their data.

Honors

HackRPI IBM Natural Disaster Mitigation and Relief Competition 1st Place

Fiat-Chrysler Design Competition Winner

RPI Leadership Award and RPI Dean's Honor List