Aaron MASKARENAS

LAS Physics Major, Computer Science Minor | Undergraduate 2021

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U.S. Citizen

Work Experience

Jun 2019- Aug 2019 | **Consensys Diligence Team | Security Engineering Intern**

- Audited Smart Contracts on the Ethereum Platform
- Worked on internal tooling in Python and Javascript
- Helped create and improve documentation for tooling and audit reports

Solidity Python Javascript

Education

Aug 2017- May 2021 | **UIUC | Physics Major and Computer Science Minor, GPA: 3.93**

- Physics courses in Quantum Mechanics, Statistical Thermodynamics, Special Relativity.
- Math courses in Multi-Variable Calculus, Linear Algebra, Differential Equations
- Computer Science courses in Discrete Structures, Data Strucutures

Eclipse Java C++ Latex

Sep 2013- Jun 2017 | **Middlesex STEM Academy |Computer Science and Electrical Engineering, GPA: 4.71 | SAT: 2280**

- Magnet School with focus on introductory Computer Science and Engineering
- Worked with micro controllers, PCB software, 3-D printing technologies

Android Studio NodeJS AutoCAD MultiSIM

Skills

Android Studio	**Java**, App development
Unity Engine	**C#**, Game development, Experience working with physics engine and user interface
Arduino Microcontrollers	Building and programming arduino microcontrollers
NodeJS	**JavaScript**, Back-end handling for game development
Monogame	**C#**, Game development
Matlab	Used in analysis and understanding of physics processes
Latex	Experience in creating rich visual displays and professional reports

Projects

Senior Project — 2017

github.com/arobelix/seniorProject

Designed and built a smart water bottle that tracked water consumption. Worked with 3-D printing technology and PCB Design software. The project also involved building a dynamic web page using NGrok, NodeJS, and HTML.

NodeJS NGrok Arduino

Formula SAE Team — 2018

Worked as part of the electronics subsystem team on designing circuitry to amplify voltage from strain gauge sensors.

EagleCad

FTC Robotics — 2016

Member of Robotics team that competed in FTC Robotics. The competition involved designing, building and programming a remotely controlled robot.

RobotC