

Mason Hagan

masoninternships@gmail.com · 239 672 2414 · <http://masonhagan.com>

Education

Florida State University

Bachelors Degree, Computer Science, Fall 2023

Organizations: Association for Computing Machinery, Codeducation, Chess Club, Society of Undergraduate Mathematical Students, Google Developer's Club

Research

Directed Individual Study, Prof. Daniel Schwartz

Assisted Professor Daniel Schwartz at Florida State University with research on possibility theory and its applications in vehicular routing and mapping, creating algorithms for finding optimal routes in directed graphs of nodes weighted by possibility degree.

Technical Experience

Proplogix [Software Engineer Intern, Summer 2022]

Contributed to an approximate 75% increase in the speed of company-wide employee off-boarding processes by designing, programming and deploying the automation of 5 crucial offboarding processes. Became deeply familiar with C#, end to end unit testing, the SCRUM/Agile methodology and Azure.

Competitive Programming

- [ACM Spring 2022 Programming Contest](#)
- [ACM Fall 2022 Programming Contest \(17th of 184 Contestants\)](#)
- [ACM Spring 2023 Programming Contest \(16th of 270 Contestants\)](#)

Personal Projects

(These items are clickable hyperlinks. For more information, click on each project.)

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| • 2D Python Game | • Multi-User Job Application Tracker |
| • Multi-User Math Education Platform | • Paper Trading Server/Orderbook |
| • 2D C++ Game | • Threaded Linux Kernel Module |

Technical Skills

- Programming/Markup Languages: C, C++, C#, Python, Verilog, Java, R, HTML, CSS
- Frameworks: Django, Flask
- FPGA programming/digital design