

Aaron Hadley

Undergraduate student seeking a full time position in research, cybersecurity, or software engineering

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Orlando, Florida
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EDUCATION

Bachelor of Science: Computer Science GPA: 3.1
Minor: Mathematics

University of Central Florida

Expected December 2019

Orlando, FL

Undergraduate Coursework:

- Cryptography
- Computer Architecture
- Operating Systems
- Digital Forensics

Graduate Coursework:

- Quantum Computing
- Quantum Information Theory
- Advanced Engineering Mathematics

RESEARCH

Theorem Proving with Deep Reinforcement Learning

UCF Computer Science Department

January 2019 – Ongoing

- Investigating deep learning techniques for automated theorem proving software.
- Using Microsoft's Lean prover to interact with a deep learning interface.

Quantum Information Group

UCF Physics Department

October 2018 – Ongoing

- Participating in weekly journal clubs discussing advanced topics in:
 - Simulation of quantum systems
 - Condensed matter physics
 - Quantum communications
- Preparing regular presentations on quantum cryptography and key distribution.

PROJECTS

RandomBag.net

Personal - KnightHacks 2019

- Wrote a quantum random number generator using IBM's quiskit platform
- Built a flask app that used Zinc API, with the QRNG to fill an Amazon cart with random items.

Richard Leinecker Appreciation Application: The Maze

Coursework

- Worked with a team of 9 to develop an application that allows many users to simultaneously interact with a Unity game.
- Built an API to take commands from a mobile app and deliver them to a Unity application.

SKILLS

C ●●●●●
Python ●●●●●
Java ●●●●●
Go ●●●●●

Cryptography ●●●●●

Scientific Computing with numpy and matplotlib ●●●●●

API Development with flask ●●●●●

bash/zsh ●●●●●

Russian Startalk Certification ●●●●●

WORK

Teaching Assistant

University of Central Florida

January 2019 – Present

Assisting students by providing hands-on programming help and constructive feedback. Grading exams and programming assignments for:

- Introduction to Programming in C
- Systems Software

General Merchandise Expert

Target

2017 – 2018

Winter Park, FL

VOLUNTEER

Instructor

Junior Knights

2018 – Present

Orlando, FL

Writing material and leading weekly classes in Python and C for middle and high school students.