

Nathan Cooper

nathanallencooper@gmail.com

EDUCATION

COLLEGE OF WILLIAM & MARY

PH.D. IN COMPUTER SCIENCE

Expected May 2023 | Williamsburg, VA

UNIVERSITY OF WEST FLORIDA

B.S. IN SOFTWARE ENGINEERING

August 2015 - May 2018 | Pensacola, FL

College of Engineering

Honor Roll: Spring, Summer, and Fall of 2016

Cum. GPA: 3.72 / 4.0

Major GPA: 3.83 / 4.0

LINKS

Website:

<https://nathancooper.io>

GitHub:

<https://github.com/ncoop57>

LinkedIn:

<https://www.linkedin.com/in/nathan-cooper-820292106/>

SKILLS

PROGRAMMING

Fluent In:

Java • C • Bash • NodeJS

TECHNOLOGIES

Cloud Computing • Containers • Virtual Machines • Version Control • Continuous Integration & Delivery

PROJECTS

PARKING APP:

Java desktop application to help parking services create and keep track of parking lot statistics such as space availability and parking space roles.

EASY VOTERS:

Android app created using Google's Flutter framework that allows people to create surveys with ease and see up to date analytics of what your friends or colleagues choices are.

CLOODLE:

Android app created using Google's Flutter framework that allows people to play the children's cloud spotting game on their phones and with their friends.

EXPERIENCE

UNIVERSITY OF WEST FLORIDA | COMPUTER SCIENCE TUTOR

March 2016 - December 2017 | Pensacola, FL

- Assisted students with various programming languages such as, Java and C
- Presented and organized freshmen level workshops for students in beginner programming and database classes

COLLEGE OF WILLIAM AND MARY | COMPUTER SCIENCE TEACHING ASSISTANT

August 2018 - Present | Williamsburg, VA

- Hold office hours to help guide students in class projects and homework.
- Grade and provide feedback on student projects and homework assignments.

RESEARCH

AUBURN UNIVERSITY | UNDERGRAD RESEARCH ASSISTANT

May 2017 - July 2017 | Auburn, AL

- Worked in a two-person team on the Auburn University's REU Smart UAV program.
- Created an autonomous navigation system using computer vision on an embedded GPU for a Quad-copter.

UNIVERSITY OF WEST FLORIDA | SOFTWARE ENGINEERING RESEARCH ASSISTANT

September 2015 - August 2018 | Pensacola, FL

- Authored three research papers on Cloud Security and DevOps Pipelines for educational purposes.
- Attended and presented at Kennesaw State University for research into creation of an automated Continuous Delivery Pipeline for educational purposes.
- Researched different tools for speeding up the development and deployment process of companies' software.
- Researched and developed an educational pipeline to help students learn and visualize Continuous Delivery concepts.

AWARDS

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| 2018 | 3rd place in UWF's CodeFest: Developed a multiple player android app named Discoverers to inspire people to learn more about their planet's geography. |
| 2017 | 19th place in ACM Southeast Regional ICPC in Division II.
Team name "GreatScott!" |
| 2017 | UWF's CodeFest: Most Creative Idea for Cyber Security Game |
| 2017 | Outstanding Student Award |
| 2016 | Top 50 in ACM Southeast Regional ICPC in Division II.
Team name "Forgotten PSVM" |

SOCIETIES

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| 2017 | Chair | Association of Computing Machinery Chapter |
| 2017 | President | Association of Information Technology Professionals |