Nathan Cooper

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Address: 25 Hancock Lane Pensacola, FL 32503

EDUCATION

UNIVERSITY OF WEST FLORIDA
BS in Software Engineering
Expected 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

PENSACOLA STATE COLLEGE
AA in General Studies
Graduated July 2015 | Pensacola, FL
Graduated Cum Laude

LINKS

Website:
https://nathanallencooper.com
Github:
https://github.com/ncoop57
LinkedIn:
https://www.linkedin.com/in/nathan-cooper-820292106/

COURSEWORK

UNDERGRADUATE
Data Structure and Algorithms I and II
Software Engineering I, II, and Management
Systems and Networks I
Advanced Programming
Discrete Structures
Computer Organization
Database Systems

SKILLS

PROGRAMMING
Fluent In:
Java • C • Bash • NodeJS

TECHNOLOGIES
Cloud Computing • Containers • Virtual Machines
• Version Control

EXPERIENCE

UNIVERSITY OF WEST FLORIDA | Computer Science Tutor
March 2016 – Present | Pensacola, FL
- Assisting students with various programming languages such as, Java and C
- Presenting and organizing freshmen level workshops for students in beginner programming and database classes

RESEARCH

AUBURN UNIVERSITY | Undergrad Research Assistant
May 2017 – July 2017 | Auburn, AL
Worked in a two-person team on the Auburn University Research Experience for Undergraduates Smart UAV program. Created an autonomous navigation system using computer vision on an embedded GPU using a Quad-copter. The use of such an embedded GPU was researched for improved real-time performance using feature detection algorithms that can be highly parallelized.

UNIVERSITY OF WEST FLORIDA | Software Engineering Research Assistant
September 2015 – Present | Pensacola, FL

- Written and authored research papers for DevOps and Continuous Delivery Pipelines.
- Attended and presented at Kennesaw State University for research into creation of an automated Continuous Delivery Pipeline for educational purposes.
- Researching DevOps strategies to improve efficiency at developing and deploying code.
- Researched different tools for speeding up the development and deployment process of companies' software.
- Researching and developing an educational pipeline to help students learn and visualize DevOps practices.
- Researching and developing fully functional Microservices for use by researchers for studying Microservice architecture.

AWARDS

2017 19th place in ACM Southeast Regional ICPC in Division II. Team name "GreatScott!"
2017 UWF 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"
2016 President's List
2016 Dean's List
2015 Dean's List

SOCIETIES

2017	Chair	Association of Computing Machinery Chapter
2017	President	Association of Information Technology Professionals
2017	Member	Math Club