

Nathan Frank

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EDUCATION

MISSISSIPPI STATE UNIVERSITY

BS IN SOFTWARE ENGINEERING
Expected May 2018 | Starkville, MS

Bagley College of Engineering

Cum. GPA: 3.91 / 4.0

Major GPA: 3.94 / 4.0

LINKS

Github:// [nathantfrank](#)

LinkedIn:// [nathantfrank](#)

FaceBook:// [nathantfrank](#)

COURSEWORK

UNDERGRADUATE

Artificial Intelligence

AI Robotics

Software Project Management

Software Testing & Quality

Assurance

Software Architecture and Design

Software Security

SKILLS

PROGRAMMING

Proficient:

Python • C++

Adept:

C • Java • Scala • SQL

Javascript • HTML • CSS

Familiar:

BASH • Powershell

Make • Assembly

TECHNOLOGIES

Familiar:

ROS • Spring Boot • Systemd

DEVELOPMENT METHODOLOGIES

Experienced:

Traditional • Agile Scrum

EXPERIENCE

C SPIRE | SOFTWARE ENGINEERING INTERN

June 2017 – Aug 2017 | Ridgeland, MS

- Ported and updated the parts of the Profile Services micro-service from Java to Scala.
- Increased code coverage for the Profile Services port from 0% to 66%.
- Setup startup services and scripts for the Cloud Team servers.

ENVISTA | SOFTWARE DEVELOPER INTERN

May 2016 – May 2017 | Columbus, MS

- Developed internal software tools in Dynamics AX.
- Automated remote Dynamics AX builds and backups.
- Established IP in Dynamics 365 for Operations.

ADTRAN | RESEARCH & DEVELOPMENT CO-OP ENGINEER

Jan 2016 – April 2016 | Huntsville, AL

- Implemented a C++ RESTConf Server.

ADTRAN | TEAM KIWI CO-OP ENGINEER

May 2015 – Aug 2015 | Huntsville, AL

- Produced and packaged a Python CLI tool for Software Developer use.
- Investigated Software Defined Network micro-services.
- Created a unit test for 3rd party code.

ADTRAN | DEV OPS CO-OP ENGINEER

Aug 2014 – Dec 2014 | Huntsville, AL

- Designed a CLI internal command reference site.
- Upgraded and Managed an ADTRAN Package Reporting Site.
- Prepared an ADTRAN Malloc Benchmark Test.

RESEARCH

CLARKSON AEROSPACE CORP / AIR FORCE RESEARCH LAB (AFRL) | UNDERGRADUATE RESEARCHER

June 2017 – August 2017 | Starkville, MS

Worked under Dr. Christopher Archibald to develop strategies and tools for tackling UAV Multi-Agent Coordination.

HONORS & SOCIETIES

2016	top 12%ile	Tau Beta Pi Engineering Honor Society
2016	National	ACM
2013	National	IEEE
2013	MSU	Shackouls Honors College Student
2008	Picayune, MS	Samuel L. Adkins, Young Man of Distinction