

# Austin Ray

COMPUTER SCIENCE · MATHEMATICS · OPEN SOURCE CONTRIBUTOR

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## Education

### University of North Carolina at Wilmington (UNCW)

B.S. COMPUTER SCIENCE & B.A. MATHEMATICS, GPA: 3.48

Wilmington, NC

Aug. 2014 - May 2018

## Skills

### Programming Languages

- Proficient in Java.
- Strong understanding of Kotlin, Python, C, C++, C#, SQL, and Shell script.
- Experienced with object-oriented, imperative, and functional programming paradigms.

### DevOps & Mastering Tools

- Proficient with version control (Git, SVN, etc.), continuous integration (Travis CI, Circle CI, etc.), and software testing tools (JUnit, Mockito, etc.).
- Experienced with a variety of documentation tools: LaTeX, Markdown, JavaDocs, RestructuredText.

### Application Proficiencies

- Integrated development environments: IntelliJ, Visual Studio, Eclipse, and NetBeans.
- Strong understanding of command-line utilities and remote management.
- Comfortable with Linux and Unix-like systems.

## Experience

### Cisco Systems, Inc

FULL STACK ENGINEER

Research Triangle Park, NC

Nov. 2018 - Present

- Worked on AI Research Assistant (AIRA), which is an AI-powered heuristic search tool.
- Responsible for AIRA's data source crawlers, configuration of CI/CD pipeline, and managing microservices.
- Assisted in migration from monolithic server-based to cloud microservice-based architecture.
- Performed System and Database Administrator work in monolithic architecture.
- Technology used: Git, Docker, OpenShift, Kubernetes, RabbitMQ, Java, Python, Linux, MongoDB

### Neomutt

OPEN SOURCE MAINTAINER

Oct. 2018 - Present

- Maintainer for the open-source command-line email client Neomutt. Neomutt is a fork of Mutt with the goal of improved code quality and inclusion of popular features.
- Area of focus: integration of the Notmuch mail indexer.
- Technology used: C, Notmuch, Git

### Cohen Cognition and Perception Lab (CCPL)

SOFTWARE DEVELOPER

Wilmington, NC

Mar. 2016 - May 2018

- Worked in CCPL as part of a Directed Independent Study (DIS) at UNCW.
- Was responsible for maintaining, developing, and documenting the lab's Java codebase.
- Developed and implemented procedures for transitioning codebase to Git, Gradle, and TDD development.
- Deployed experiments to production server and ensured correct configuration.
- Created training information and trained replacement programmer in lab's procedures.

## Honors & Awards

Upsilon Pi Epsilon Vice President, Computing Honor Society

Dean's List, University of North Carolina at Wilmington

Spring Showcase of Student Research and Creativity, University of North Carolina at Wilmington