

# Cooper Baird

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## EDUCATION

**Washington and Lee University**, Lexington, VA

**May 2019**

*Bachelor of Science in Computer Science*

- **GPA:** 3.572
- **Pertinent Courses Taken:** Algorithms, Android App Development, Computer Organization, Data Structures, Distributed Systems, Intro to Programming, Operating Systems, Software Development

## EXPERIENCE

**AT&T**, Dallas, TX

**June-August 2018**

*Software Engineering Intern*

- Implemented bug fixes and unit tests for an application that stores metadata for hundreds of internal microservices deployed on Kubernetes clusters, allowing for simple communication between microservices
- Assisted clients in resolving their microservices' issues while using the application
- Wrote a comprehensive plan to implement new certificate creation functionality for the application
- Created an Angular dashboard with a Django backend to visualize and analyze customer support chat data

**Ancient Graffiti Project**, Lexington, VA and Washington, D.C.

**June-August 2017**

*Java Web Developer*

- Developed for a website and search engine dedicated to preserving, studying, and locating ancient graffiti
- Worked on a team with two other developers for a group of classicists
- Improved search accuracy and efficiency with the Elasticsearch Java API using a custom index-time analyzer
- Created a 'sort-by' feature for searches and an onscreen Greek keyboard
- Spent the final week working in Washington, D.C. at the Harvard Center for Hellenic Studies

## RECENT INDEPENDENT PROJECTS

**cooperbaird.com:** Personal website developed from scratch using HTML and CSS

**Flap Flap Bird:** A desktop clone of the popular mobile game Flappy Bird in Java

**Pace Calculator:** A runner's tool for which I created both an Android app and a Java Swing application for calculating time, pace, and splits for races and workouts

## SKILLS

**Proficient:** Java, Python

**Working Knowledge:** HTML, CSS, JavaScript, jQuery, Angular, Ruby, Android Development

**Skills:** Git, Maven, Jenkins, Kubernetes, JUnit, Eclipse, Android Studio, macOS, Linux, Windows

## EXTRACURRICULARS & LEADERSHIP

**Washington and Lee University**, Lexington, VA

**2015-Present**

*Varsity Cross Country and Track (Fall, Winter, Spring)*

- Team captain for cross country and track (2018-2019)
- USTFCCCA All-Academic Honors (minimum GPA of 3.3 and top 25% finish at regionals)
- 2016 and 2017 cross country national qualifier
- All-Region in cross country, the distance medley relay, and the 1500m

*Habitat for Humanity*

**2015-2017**

- Assisted with the preparation and construction of small houses

*Mock Convention*

**2016**

- Was a Texas delegate for the most accurate student-run mock presidential convention in the country
- Did research for 5 congressional districts, contacting local officials and collecting county-level data