

# Cooper Baird

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## EDUCATION

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

**May 2019**

*Bachelor of Science in Computer Science*

- **GPA:** 3.551
- **Pertinent Courses Taken:** Algorithms, Android App Development, Computer Organization, Data Structures, Distributed Systems, Intro, Software Development

## EXPERIENCE

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

**June-August 2017**

*Java Web Developer and Researcher*

- 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 on the best way to search through and present their data on the website
- Improved search accuracy and efficiency with the Elasticsearch Java API using a custom index-time analyzer
- Created homepage footer, button tooltips, a 'sort-by' feature for searches, and an onscreen Greek keyboard
- Spent the final week of the project in Washington, D.C. at the Harvard Center for Hellenic Studies directly working with the classicists to finalize changes

## RECENT INDEPENDENT PROJECTS

**cooperbaird.com:** Personal website created 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 with a GUI for calculating time, pace, and splits for races and workouts

**Connection Web:** Displays a graph built from a data file of connections using NetworkX and Matplotlib for modeling and visualizing connection networks

## SKILLS

**Proficient:** Java, Python

**Working Knowledge:** HTML, CSS, JavaScript, JSP, Ruby

**Skills:** Git, Jira, JUnit, Elasticsearch, Google Cloud, Maven, Eclipse, macOS, Linux, Windows

## EXTRACURRICULARS & LEADERSHIP

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

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

**2015-Present**

- 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 DMR, & the 1500, and all conference in Cross Country, the 800, & the 1500

*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