

Larissa Cox

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EDUCATION

DUKE UNIVERSITY

BS IN COMPUTER SCIENCE

Expected May 2018 | Durham, NC
 Dean's List (Spring 2016, Fall 2017)
 Cum. GPA: 3.78 / 4.0
 Major GPA: 3.88 / 4.0

COURSEWORK

UNDERGRADUATE

Data Structures and Algorithms
 Discrete Math
 Computer Architecture
 Software Design and Implementation
 Database Systems
 Artificial Intelligence
 Design and Analysis of Algorithms

TECHNICAL SKILLS

PROGRAMMING

Advanced:

Java • Python

Proficient:

HTML • CSS • Assembly

Familiar:

C • JavaScript • SQL • MATLAB

VOLUNTEER WORK

SPARK CENTRAL | TECH TEACHER

May 2016 – August 2016

I instructed programming classes to groups of 20-30 students using Scratch and code.org technology

DUKE FEMMES (FEMALES

EXCELLING MORE IN MATH,
 ENGINEERING, AND SCIENCE) |

COUNSELOR

May 2016

I engaged groups of 5-10 fourth-sixth grade girls in STEM projects to build their confidence and motivation

GAMMA PHI BETA SORORITY | MEMBER

January 2016 - present

I volunteer with Girls on the Run, a program that teaches young girls life skills through training for a 5k race

EXPERIENCE

MICROSOFT | PROGRAM MANAGEMENT INTERN

Expected May 2017 – August 2017 | Seattle, WA

DUKE UNIVERSITY | TEACHING ASSISTANT

INTRO TO PROGRAMMING, DATA STRUCTURES AND ALGORITHMS COURSES

August 2015 – December 2016 | Durham, NC

- Instructed students on understanding concepts, writing programs, and debugging code in Java and Python
- Responsible for grading assignments and tests
- Taught a weekly recitation section of approximately 25 students

PROJECTS

GAME AUTHORIZING ENVIRONMENT | JAVA, JAVA FX, XML

- Worked with a team of 9 others as a back end developer
- Designed a game environment that uses an entity-component system
- Environment allow a user to create multi-level games in a game editor, store them to their local computer, load and play them, and save their game play progress

TÜNDER MUSIC DISCOVERY APP | JAVASCRIPT, HTML, CSS, FIREBASE

- Worked with a team of 3 others as a back end designer
- Designed a web app that provides the user with previews of the newest music on Spotify
- App allows users to like and dislike songs, stores information about these preferences in a Firebase database, and allows the user to create Spotify playlists based on these preferences

CELLULAR AUTOMATA SIMULATOR | JAVA, JAVA FX, XML

- Worked with a team of 2 others as a back end developer
- Designed a program capable of simulating and displaying several different types of cellular automata using a variation of a View-Model-Controller pattern

ORGANIZATIONS AND LEADERSHIP

CATALYST: PRE-PROFESSIONAL TECH ORGANIZATION |

CO-PRESIDENT AND FOUNDING MEMBER

August 2016 – Present | Durham, NC

- Aided in the founding and chartering processes of the organization
- Plan and lead exec board meetings of 10-15 people at which events are planned and the monthly calendar is set
- Lead body meetings, workshops, panels, and social events of up to 50 members

DUKE UNIVERSITY WIND SYMPHONY | SOCIAL CHAIR AND SECTION LEADER

August 2016 - present | Durham, NC

- Plan and lead social events, fundraisers, and concerts for the organization
- Lead sectionals for a section of 13 students