Larissa Cox

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EDUCATION

DUKE UNIVERSITY
BS in Computer Science
Minor in Gender Studies
Expected May 2018 | Durham, NC
Dean's List (Spring 2016, Fall 2017)
GPA: 3.75 / 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
Multivariable Calculus
Linear Algebra
Probability

TECHNICAL SKILLS

Advanced:
Java • Python • Eclipse • Git
Proficient:
HTML • CSS • JavaScript • Azure •
Visual Studio • Bootstrap • LaTeX
Familiar:
C • C# • SQL • MATLAB • Firebase •
ASP.NET

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

EXPERIENCE

MICROSOFT | Program Management Intern
May 2017 – August 2017 | Seattle, WA
- Worked as the project leader on a team of 5 to create a full stack web app
- Application automated the steps of a hiring process, reducing hours spent on the process by 50%
- Led demos for the project and was the face of the team in meetings with the department and with our stakeholders
- Worked as a back end developer for the team

DUKE CENTER FOR INSTRUCTIONAL TECHNOLOGY | Digital Education Intern
September 2017 – present | Durham, NC
- Worked with a team of 4 as both a designer and developer to create a full stack web app which helped students learn and retain information
- Worked with a team of 3 to do QA testing on Sakai, a large, open source educational platform used by Duke

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

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
- Lead body meetings, workshops, panels, and social events of up to 50 members

PROJECTS

GAME AUTHORING ENVIRONMENT | Java, Java FX, XML
- Worked on a team of 10 as a back end developer
- Designed a game environment that uses an entity-component system
- Environment allows 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

WOMEN FOR WOMEN PORTAL | C, HTML, CSS, Microsoft Azure
- Worked on a team of 6 as a front end developer and PM
- Designed a web portal to help WFW sponsors communicate with the women they sponsor using computer vision to read and translate text from images
- Led discussions and demos with WFW representatives