

# Matthew Searfass

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## EDUCATION

**University of Delaware** - Class of 2023

Newark, DE

Major: *Computer Science (BS)*, Minor: *English*

GPA: 3.45

## TECHNICAL SKILLS

- Languages: Java, Python, C, C++, Bash, R, JavaScript, SQL
- Technologies: JavaFX, jQuery, Booststrap, D3, MEAN Stack

## PROJECTS

### Land 4 Leps

- A semester long Java project - in partnership with Mt. Cuba Center - to develop software which encourages the use of native plants in home gardens.
- Generated a list of plants based on input variables that users could drag-and-drop to design their own gardens.
- Developed in a small group using Agile methodology.

### ELISA Analysis Program

- Diagnostic software used to generate reports on infections within a poultry flock.

### SFTP Client

- Lightweight SFTP client for Windows developed in Python.

## EXPERIENCE

### theCoderSchool

(Virtual) Spring, TX

*Code Coach*

August 2021 - Present

- Teach kids from elementary to high school how to code using Scratch, JavaScript, and Swift
- Work one-on-one or in small groups with students on a variety of projects, from games to mobile applications

### University of Delaware

Newark, DE

*Lab Assistant*

September 2020 - Present

- Work with 30+ students from both "Introduction to Computer Science for Engineers" and "Introduction to Systems Programming" classes
- Help students solve technical challenges in Python and C
- Assist professors and TA's in running lab sections.

### Red Robin

Shenandoah, TX

*Server Partner*

May 2020 - February 2021

- Facilitated communication between the front of house and back of house to ensure effective cooperation between servers and cooks
- Verified orders were assembled correctly and made sure drinks were delivered to tables
- Worked as a host when needed

## ACTIVITIES

### Spectrum Scholars

Newark, DE

*Peer Mentor*

August 2021- Present

- Provide support for university students with autism
- Engage with students to create a support system to help make college life more comfortable

### Blue Hen Leadership Program

Newark, DE

*Member*

August 2019 – May 2021

- Worked with local non-profit "Art Therapy Express" for website, curriculum, and fundraising design throughout the 2020 - 2021 school year
- Attended leadership classes and workshops