

# Regina Rex

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## EDUCATION

**UNIVERSITY OF WISCONSIN-SUPERIOR**  
**BSc, Computer Science & Mathematics**  
August 2020, GPA: 3.617/4.00

## SKILLS

### Programming Languages

- Proficient in or have written production code with: Java, C++, Slang, Python, JavaScript, HTML/CSS, SQL, and XML. Familiar with C, C#, Assembly, LaTeX, R, and PHP

### Frameworks and Tools

- Made use of the following libraries/frameworks during my internships and side projects: Node.js, Django, React, Express.js, and Bootstrap.
- Day-to-day programming workflow involves the use of the following tools: Git, Vim, Bash

### Development Platforms

- Some of the development platforms used during internships and side projects include: Linux, Unix, Apache Spark, Hadoop, AWS EC2, Google Cloud, Docker, and version control (Git/SVN/CVS)

## PROFESSIONAL EXPERIENCE

### PATHCHECK FOUNDATION

#### Software Developer

June 2020 - Present | Cambridge, MA (Remote)

- Working in the algorithms team on the implementation of k-proximity privacy on contact tracing mobile application for user and health care providers. Android Studio, Java

### GOLDMAN SACHS

#### Technology Summer Analyst

May 2017 - Aug. 2017 | New York, NY

- Modified existing system to implement data publishing from legacy risk reporting platform to new platform

### HOTELS.NG

#### Software Engineering Intern

Jan. 2017 - April 2017 | Lagos, Nigeria - Remote

- Worked remotely on the front-end engineering team to design, develop, and polish web pages

### OJAEXPRESS

#### Software Engineering Intern

Jan. 2017 - Mar. 2017 | Chicago, IL - Remote

- Collaborated with a team of two to design and develop a search engine for finding data

## SELECTED ACTIVITIES

### CO-FOUNDER & PRESIDENT

**African Students Association, UW-Superior**

Sept. 2017 - Present

- Started a student organization to advocate for, making known the various African cultures, tribes, and countries that made up the campus

## RESEARCH EXPERIENCE

### MECHANISM DESIGN 4 SOCIAL GOOD

Member - ICTD Working Research Group

Jan. 2018 - Present | Remote

- Focused on research projects for under-resourced communities

### PARASOL LABORATORY

Undergraduate Researcher - UIUC

Sept. 2019 - Dec. 2019 | Remote

- Studied the application of motion planning in bioinformatics to help improve the efficiency of drug design

Research Intern | CRA-WP DREU Participant

May 2019 - Aug. 2019 | Urbana-Champaign, IL

- Extended Clearance-bias method to computational biology application of motion planning

Remote Research Collaborator

Sept. 2018 - Dec. 2018 | College Station, TX

- Studied motion planning algorithms to fulfill my undergraduate Math Capstone

Research Intern | CRA-WP DREU Participant

May 2018 - Aug. 2018 | College Station, TX

- Designed a method for biasing environment exploration based on the size of free space between obstacles in the environment to increase the efficiency of environment exploration

### INDIANA UNIVERSITY BLOOMINGTON

Hello Research Workshop

October 2018 | Bloomington, IN

- Worked in a team to train a convolutional neural network to combine audio processing and computer vision for activity recognition

### CORNELL CIS

SoNIC Research Workshop Participant

June 2018 | Ithaca, NY

- Conducted and presented research on cloud computing and networking

## HONORS & AWARDS

Selected Fellowships:

- 2019 & 2020 Rewriting the Code Fellow
- 2019 Impact Fellow

Selected Scholarships / Grants:

- 2019 & 2017 Anita B.org GHC Scholar
- 2019 & 2020 HBCU@SXSW Cohort

Others:

- 2019 Heidelberg Laureate Forum: 1 out of 200 Most qualified Young Researchers