

# Srikar Ayyalasomayajula

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## EDUCATION

### University of Michigan

*Bachelor of Science and Engineering in Computer Science*

- **Coursework:** Data Structures, Algorithms, Discrete Math, Operating Systems, Web Systems, Computer Architecture, Computer Networks
- **Extracurricular Activities:** Michigan Hackers, Indian American Student Association, Michigan Sahana (Indian Classical Music)

**Ann Arbor, MI**

*May 2022*

## INDUSTRY EXPERIENCE

### Amazon

*Software Development Engineer Intern*

- Developed a new feature for AWS Keyspaces that allows support for the "TRUNCATE" CQL command, an update specifically requested by multiple high-value customers
- Collaborated with senior engineers to detect vulnerabilities in the codebase and refactor it to mitigate them as well as decrease code duplication
- **Technologies Used:** Kotlin, Java, Apache Cassandra, AWS DynamoDB, AWS EC2

**Seattle, WA**

*May 2021 – Aug 2021*

### Steignet

*Software Engineering Intern*

- Accelerated Quicksilver email classification model to over 90% accuracy by improving scenario-keyword association
- Streamlined the company's market research by using webscraping tools to pull, parse, and consolidate real estate data
- **Technologies Used:** Python, Excel, Selenium, Beautiful Soup

**Atlanta, GA**

*May 2020 – August 2020*

### SRI International

*Software Engineering Intern*

- Implemented features such as closed caption and metadata support to the company's audiovisual test sequence generator
- Boosted the device's compatibility by 50% by adding support for multiple video cards
- Automated budget analysis by creating a parts cost calculation tool for hardware teams, reducing needed budgeting time by over 90%
- **Technologies Used:** C, C++, VBA, Excel

**Princeton, NJ**

*May 2019 – August 2019*

## PROJECTS

### Fully Functional Thread Library

- Wrote a complete thread library with implementations for standard thread functions and support for multiple CPUs
- Utilized the thread functions in real-world programs that contained concurrency, mutual exclusion, and condition variables
- **Technologies Used:** C, C++, Unix

**Feb 2021**

### Dynamic Campus Involvement Tool

- Optimized student involvement on college campuses by creating a fully dynamic and interactive club management tool
- Collaborated with product and marketing teams to secure partnerships with top universities
- **Technologies Used:** ReactJS, Python Flask, MongoDB

**Aug 2020**

### Personal Website: <http://srikar7a.github.io/website>

- **Technologies Used:** ReactJS

## OTHER EXPERIENCE

### Juni Learning

*Computer Science Instructor*

- Taught students Python and Java up to the algorithms level so that they can build a strong programming foundation and develop an early passion for computer science

**Virtual**

*Aug 2020 – Present*

### University of Michigan Information and Technology Services

*Computer Consultant*

- Diagnosed and fixed hardware, software, and network issues experienced by my university's faculty and staff to provide them with a smoother and stress-free computing experience

**Ann Arbor, MI**

*Nov 2018 – Present*

## SKILLS

- **Language Skills:** English, Hindi, Telugu
- **Programming Skills:** C++, Python, JavaScript, Android, Java, C#, HTML/CSS, SQL, Kotlin
- **Software/Libraries:** ReactJS, Selenium, Beautiful Soup, Python NLTK, Unity Game Engine, Blender Animation, Git, AWS Amplify, AWS S3, MongoDB, Mozilla DeepSpeech, AWS DynamoDB
- **Interests:** Table Tennis, Cycling, Music Production, Video Editing, and trying out exotic cuisines