BISRAT ZERIHUN

bisrat.ad@gmail.com | bisrat.me | linkedin.com/in/bisratz

Experience

Software Engineer Intern – Meta (Summer 2022)
Created a correspondence feature for government officials to connect with employees regarding an on-going case/request they have on one of Meta's platforms. At launch, it hosted more than 10,000 requests from all over the world.

Tutor – Virginia Tech (2021 –2022)
A Data Structures and Calculus focused individual and group tutoring program that helps students excel in their studies.

Education

Virginia Tech – College of Engineering - BS (2019 – 2023)

Major: Computer Science   Minor: Mathematics, Philosophy   GPA: 3.71

Relevant Courses: Data Structures and Algorithms, Software Design, Discrete Mathematics, Computer Organization, Combinatorics, Computer Systems, iOS development, Linear Algebra

Skills

Languages: Proficient: Java, Python, C, PHP, JavaScript   Familiar: HTML and CSS, Swift, MATLAB

Systems and Frameworks: Proficient: GraphQL, React.js, Relay Familiar: REST, Node.js, express.js, Bootstrap, Flask, Selenium

Projects

Yelp Camp
A web app that models a simpler version of Yelp but for campgrounds. This app gives access to create secure accounts, upload campgrounds with descriptions, and write reviews. (JavaScript, HTML, CSS)

Smart Image Resizing
An implementation of the seam carving algorithm which creates seams of least important pixels from an image then remove while resizing. The product is a resized image with important components still intact. Uses the topological sort algorithm to find these seams. (Java)

Geographic Information System (GIS)
A GIS data query that stores given geographic data (coordinates, name of place, etc.) data from a csv file and retrieves any data using given commands and parameters. A script with comments can be provided to retrieve and add data to the system. Some level of security is also added due to the abstraction of the data structures used to store and retrieve the data. (C)

Awards/Honors

Presidential Campus Enrichment Grant (PCEG) Recipient – Virginia Tech

Dean's List for six consecutive terms.

Extracurricular

Web Development @ VT (2019 – present)
National Black Society of Black Engineers (NSBE) (2019 – present)
Ethio-Eritrean Society Association (EESA) (2019 – present)