

EDUCATION

University of Maryland

Bachelor of Science in Computer Science with a minor in Business Analytics

Expected December 2021

GPA: 3.66

PROFESSIONAL EXPERIENCE

Epic Systems

Madison, WI

Software Engineer Intern

Summer 2021

- Led a project through a design phase starting with the problem and creating a solution, meeting with stakeholders for feedback, creating a mockup UI with balsamiq wireframes, and creating the application with React
- Utilized React (Typescript Library) and React Bootstrap to build a dynamic website to load components from a database with Redux, API calls, and SQL Queries; and display them on sortable and searchable cards
- Parse and clean up the data from the database to allow the user to easily ingest and understand the data.
- Created an application to store/load a query of objects into a “cart” to easily save, share, and utilize the resources

Ironnet Cyber Security

Frederick, MD

Detection & Analyzation Intern

Summer 2019

- Used a Django framework to set up an authentication client for a project and survey which will collect information from workers to facilitate their job.
- Set up a bash script aid in searching through databases for DNS servers and their associated ASN numbers.
- Used Python and Amazon S3 to create an updater for an Amazon file which updated constantly with new IP addresses associated with specific services and outputted the difference between the updated file and the most recent file. The program also recorded every copy of the file and kept a pointer file to the latest one.

CompuTercations

Frederick, MD

Intern

July 2017 – July 2018

- Analyzed and corrected problems with computers and communicated with customers to swiftly resolve problems.
- Went to the customers worksite and helped to resolve issues quickly and professionally.
- Configured the server room, set up and maintain company infrastructure.

ACADEMIC EXPERIENCE

Algorithms, College Park

Spring 2020

- Studied and understood the complexities of several algorithms and able to create an optimize a given algorithm
- Developed a thorough understanding of data structures, sorting algorithms, and searching algorithms, and able to implement and use the best choice for a specified algorithm
- Learned several mathematical techniques to optimize and analyze the runtime complexity of an algorithm

Object Oriented Programming II – fundamental data structures, College Park

Spring 2019

- Coded programs in Java utilizing various data structures, sorting methods, and optimizing algorithms
- Interpreted data structures (trees, graphs, linked lists, 2d arrays), class hierarchy, and other object-oriented principles including inheritance, recursion, and multithreading.

PROJECTS

Parser and Interpreter, OCaml

- Takes in a few key words and then processes the text input by tokenizing, parsing, and then evaluating the output and returning it to the user
- If the input is not correct, prompts the user to input again and returns the error

Analysis of Video Game Popularity, Python

- Found data on Kaggle, imported the csv file into python and cleaned the data – turned into a Pandas dataframe
- Used exploratory data analysis and matplotlib to plot and identify trends in the dataset, discussing popularity in terms of Global Sales of the game
- Used sci-kit learn to create a machine learning prediction model to estimate a video games popularity based off of attributes, then rated the accuracy of the created model.

ACTIVITIES

Pakistani Student Association, Fundraising Chair and Board Member

May 2019 – May 2020

- Planned and organized biweekly general board meetings that embrace Pakistani culture.
- Organized and executed fundraisers, raised \$1000+ of funds, planned an event that accommodates 300+ people.

SKILLS/AWARDS

Skills: JAVA, HTML, CSS, REACT, Javascript, Typescript, Python, C, Ruby, RUST, Microsoft Word, Microsoft Excel, Public Speaking, Adobe Photoshop, Balsamiq Wireframes

Academic Honors: Achieved Dean’s List Fall 2018, Dean’s List Fall 2019, Dean’s List Spring 2020

Organizations: Kappa Theta Pi – Professional Technology Fraternity, University Honors Program, Robert H Smith School