Emily Yu
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Education

University of Maryland, Baltimore County (UMBC) Graduated May '19 • GPA: 3.895 / 4.0
- Computer Science B.S., Creative Writing extended minor
- Center for Women in Technology scholar and Honors College member

Technical Skills

Languages Java • Python • HTML5 • TypeScript • CSS/LESS • SQL • PHP • C++ • C# • C • Scala

Technologies Angular/AngularJS • Highcharts • Swagger • Android Studio • WordPress • Git/Bitbucket • Jira • Confluence • Adobe Photoshop • Eclipse • IntelliJ • Visual Studio • IBM Data Studio

Work Experience

Front-End Engineer @ Morgan Stanley New York, NY • Nov '19 – Present
- Build a Collateralized Loan Obligation (CLO)-centered application for New York- and London-based traders using Angular 2, TypeScript, and Java
- Communicate directly with traders to understand requirements and improve user experience
- Lead daily stand-up meetings in order to coordinate tasks among team members and discuss user feedback

Technology Analyst @ Morgan Stanley New York, NY • Aug '19 – Nov '19
- On a team of four, built an internal, machine learning-based chatbot to increase efficiency and productivity across production support teams
- Using the Python NLTK library, developed a cosine similarity algorithm to match user queries to relevant wiki pages offering resolution for common issues

Undergraduate Teaching Assistant @ UMBC Baltimore, MD • Aug '17 – Dec '18
- Led a weekly discussion section of twenty students, covering basic Python syntax and programming concepts
- Graded students' course assignments and troubleshot issues with their code during weekly in-person office hours
- Participated in TA meetings to discuss course content taught over each week, as well as student performance

Software Engineering Intern @ JPMorgan Chase & Co. Newark, DE • Jun '18 – Aug '18
- Created an internal web-based dashboard on an Agile team, and later presented the product to clients in the firm's Asset Management line of business
- Implemented a dynamic bar graph and table to display trading information for the start of the work day using Angular, TypeScript, HTML, and LESS
- Developed a mock server using Node.js that feeds JSON-formatted data files to the front end

Cyber Intern @ Prime Solutions, LLC Columbia, MD • Jun '17 – Aug '17
- Edited and debugged leaked malware source code (in C++) to validate functionality for use with an APT Simulator
- Developed a Python Flask server to receive POST/GET requests and system files from a malware-infected client
- Implemented a Python script to produce an OpenIOC STIX-formatted report of server-side statistics (e.g. bytes sent, specific IPs and ports utilized)

Projects

InstantChef Spring '19
- Created a mobile application in Java that allows users to efficiently filter out recipes, based on the ingredients they currently have in their digital pantry
- Utilized the Firebase Realtime Database (for storing user information and recipes), as well as the Authentication Service (for creating accounts and logging users in)

System Assisting First Responders in Emergencies (SAFE) Fall '18
- On a team of five, built a web application that allows dispatchers to efficiently assign missions (involving natural disasters and other emergencies) to first responders
- Coded and designed the application's user interface using HTML5, CSS, and JavaScript