JOSHUA **SHRESTHA**

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EDUCATION

University of North Carolina at Chapel Hill
B.S. Computer Science, Statistics
Graduating December 2019
GPA | 3.5

SKILLS

LANGUAGES/FRAMEWORKS: Java, Python, JavaScript, Express, Vue.js, JQuery/AJAX, Flask, Hadoop, R, C

TECHNOLOGIES: Git, Node.js, Splunk, SQLite, Excel

COURSEWORK: OOP, Computer Organization, Data Structures, Web Programming, Databases, Algorithms, Probability, Compilers, Intro to Data Science, Big Data

EMPLOYMENT

GE DIGITAL
Digital Technology Intern

Glen Allen, VA
May 2019 to Aug. 2019

- Worked on the Security Automation team using an Agile workflow to follow the development lifecycle.
- Increased consistency and savings by automating Splunk processes in Python on GE security events.
- Automated data retrieval for security events by writing Splunk queries for GE internal service data.

UNC VISUAL ANALYSIS AND COMMUNICATIONS LAB
Health Informatics Research Assistant

Chapel Hill, NC
Sept. 2018 to May 2019

- Worked on NSF Contextual Visualization project to create a high-dimensional data visual analytics tool.
- Enhanced analytic capabilities by building JavaScript range sliders to update D3 data visualizations.
- Provided essential data summaries by implementing d3-tip tooltips for D3-binded DOM elements.

TOWN OF CHAPEL HILL
Open Data Intern

Chapel Hill, NC
May 2018 to June 2018

- Worked on the Open Data project to create an open-source database for the Town of Chapel Hill.
- Increased consistent data retrieval by writing Python logging scripts and utilizing API libraries.
- Efficiently formatted data into readable CSV through JSON conversion and cleaning in Python.

PROJECTS

PROTOPIA INTERNAL DASHBOARD APP

Aug. 2019 to Current

- Provided real-time insights by creating Vue.js internal dashboards for the client's platform.
- Delivered data analytics output to the front-end by routing an Express API built on a Node.js server.
- Streamlined the caching process and deployment of the application using GCP and Storage API.

JP MORGAN HACKATHON WEB APP - 1ST PLACE

Oct. 2018

- Developed a web application to provide a social network for workplace organizations.
- Efficiently loaded static files and resources using a Flask API that interacted with Google Firebase.
- Created a responsive web design using the Bootstrap 4 framework to allow for mobile-first development.

LEADERSHIP

GIRLS WHO CODE · Teaching Assistant

Jan. 2019 to Current

- Supported the vision of closing the gender gap in technology through early education
- Taught Python and web development to 30 middle school students on a biweekly basis

UNC COMPUTER SCIENCE DEPARTMENT · Student Ambassador

Jan. 2018 to May 2019

- Worked closely with External Relations staff to promote and serve department events.
- Led student panels to increase communication between the department and students.