

# Stephen Shamaiengar

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## EDUCATION

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- **University of Virginia (UVA)** Charlottesville, VA  
*B.S. Computer Science, Cognitive Science / GPA: 3.94* May 2021
  - **Rodman Scholar:** Top 5% of School of Engineering Class of 2021
  - **Relevant Coursework:** Internet-Scale Applications, Artificial Intelligence, Adv. Software Development, Operating Systems, Algorithms, Machine Learning, Program and Data Representation, Theory of Computation

## EXPERIENCE

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- **Microsoft** (Remote)  
*Software Engineer Intern, Azure Networking* May - August 2020
  - Designed and implemented in **Python** a chat bot to facilitate investigation of health and other metrics for networking devices
  - Architected an extensible OOP framework for bot capabilities, which involve parsing user input, querying internal systems, and securely hosting and displaying plotted results
  - Trained and deployed LUIS (Azure Cognitive Services) model, supporting natural language understanding within the bot
  - Deployed the bot on **Azure** and distributed it through Microsoft Teams, for internal use by up to 500 team members
- **WillowTree** Charlottesville, VA  
*Software Engineer Intern, Internal Tooling team* May - August 2019
  - Implemented critical fixes in **React** app to facilitate visual configuration of internal dashboards
  - Devised testing strategy for above app, creating example end-to-end tests with **Docker** Compose and **Cypress**
  - Spearheaded new feature development and complete UI redesign of **React** meeting portal app, enhancing the video-conferencing experience company-wide
  - Developed a React app for visualizing JIRA board data to gauge project/team health, in collaboration with project management, analytics, and data science personnel

## PROJECTS

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- **Used Clothing Store** (Coursework)
  - Led a team developing an e-commerce platform powered by a four-tier service-oriented architecture using **Django** apps in **Docker** containers
  - Designed data models and their relationships for key entities, including users, items, and reviews
  - Created custom authenticator model and microservice for user authentication and sessions
  - Implemented item view logging using **Kafka**, powering item search ranking with **Elasticsearch** and item recommendations generated with **Spark**

## SKILLS

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- **Proficient:** Python, JavaScript, C++, HTML, CSS // React, Django, Git
- **Basic:** Java, Swift, C // Azure, Docker, Redis, Flask/Quart, Bootstrap, Numpy