Rashid Lasker

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Education:

University of Virginia – B.A. Computer Science, Cognitive Science (GPA: 3.88)　　　　　*Class of 2020*
Relevant Coursework: Algorithms (Python), Databases (SQL, MongoDB), Machine Learning (Python), Operating Systems (C/C++), Internet Scale Applications (Python), Programming Languages for Web Apps (JS/Java/PHP)

Thomas Jefferson High School for Science and Technology (GPA: 4.50)　　　　　*Class of 2016*

Work Experience:

Software Engineering Intern, **Uber ATG**, Pittsburgh, PA　　　　　*May 2019 – August 2019*
- Designed project to enable the visualization of traceability and audit information of 3D high-definition AV maps.
- Developed history service API for 3D maps using a Protobuf gRPC interface and a C++ backend.
- Developed internal front-end interface for map history and quality using Fusion.js, React/Redux, and Mapbox GL.

Software Engineering Intern, **Torch Technology**, New York City, NY　　　　　*June 2018 – August 2018*
- Developed full-stack features with TypeScript, React, Redux Saga, Python Flask, and PostgreSQL
- Designed and developed time-series API for company-wide metrics and order history tracking
- Created admin workflows and tools to improve product catalog coverage from 58% to 78%
- Reconfigured SKU search page to track canonical products over time and identify key price trends

Undergraduate Teaching Assistant, **University of Virginia**, Charlottesville, VA　　　　　*January 2018 – May 2018*
- Aided students in understanding how to create practical applications with Java Servlets, JSPs, PHP, and AngularJS
- Introduced new curriculum standards and led lecture on React for 90+ students

Project Experience:

Rebu – In-class Project ⌽　　　　　*January 2019 – May 2019*
- Built online meal sharing marketplace using Django, Docker, SQLite using a multi-tier service architecture.
- Created a containerized search indexing pipeline using Kafka and ElasticSearch.
- Generated user co-views using Apache Spark to produce user recommendations in a scalable fashion.

ReInform.me, Disrupt the District – 1st Place (Out of 40 Teams) ⧉ Ⓓ　　　　　*March 2018*
- Built congressional data tool to increase legislative transparency using Mapbox GL SDK, React/Redux, and Flask
- Analyzed political views using Python and implemented algorithm for calculating legislative effectiveness

Freight Rate Mate, VTHacks – Finalist (Top 7 out of 60 Teams) ⧉ Ⓓ ⌽　　　　　*February 2018*
- Built real-time asset tracking visualization and shipping insurance rate predictor using Mapbox GL and AWS ML
- Prepared crash data for XGBoost regression to analyze risk values and developed map-based visualization

Working Directory Manager – 700+ Downloads ⧉ ⌽　　　　　*January 2018*
- Built custom directory manager command line application using Node.js for Windows and POSIX systems
- Published tool online through NPM and opened code base with documentation for open source contribution

Organizations:

HackCville　　　　　*January 2018 – Present*
- Created an experimental cohort of web developers and moderated discussions as a programming mentor

Machine Learning Club　　　　　*January 2018 – Present*
- Contributed to weekly reading group discussions about relevant machine learning scientific papers and articles

Association for Computing Machinery (ACM@UVa)　　　　　*November 2017 – Present*
- Represented UVA in the International Collegiate Programming Contest (ICPC) US Mid-Atlantic region