Nathaniel Kai Eubanks
Arlington, VA
[my github id] at virginia.edu

TECHNICAL SKILLS AND LANGUAGES
Programming Languages: C#/.NET, Java, Python, Javascript/Typescript, React, SQL
Technological Skills: UNIX/Linux, Git, Jira, UX Design, Agile, Microsoft Office, Technical Design
Favorite Personal Projects: github.com/nke5ka
- Terrain Generator, Pathfinder, and Train Sim (Java): Generate world for optimized networks of trains
- Physics Simulator (Javascript, C): N-body problem; spring-connected charged masses; other variants

Other: Mandarin Chinese, Violin, Ukulele, Firefighting and EMS, Woodworking, Ballroom Dance, Cycling

RELEVANT SOFTWARE EXPERIENCE
Software Engineer II, Applied Predictive Technologies / Mastercard; *Arlington, VA*   Aug 2018 – Pres.
Advanced Investment Management Forecasting Team (C#, SQL, React; Full Stack)
- Worked on credit card KPI prediction software used by major banks
- Optimized event-loading SQL query to reduce front end load time by up to 90%
- Implemented *Portfolio Forecasts* front and back end to generate batched predictions
- Investigated and solved 20+ production issues using Splunk logs and SQL

Mastercard Intelligence Center Scalability Team (C#, SQL, Azure; Infrastructure)
- Worked on ETL Pipeline for Azure migration of Mastercard transaction data
- Implemented Azure active directory token-based authentication

Other
- Reviewed and selected resumes for entry level and internship position candidates
- Led new-hire SQL training for 3 incoming college new-hire and intern classes

Software Engineering Intern, Appian Corp.; *Reston, VA*   June – Aug 2017
Contributed to Appian Business Process Management Software (Java; Full Stack)
- Added *Drill-Down Bar Charts* for multi-level data accessibility
- Added *Export Arbitrary Records to Excel* for cross-app compatibility

Junior Software Developer, Optimal Satcom Inc.; *Herndon, VA*   May – Aug 2016
Contributed to space-telecommunications capacity management software (C#, Full Stack)
- Upgraded table displays to use DevExpress Grid UX Component
- Implemented transmission-loss modeling to match ITU standards
- Created automated testing and conditional formatting in generated Excel files

Teaching Assistant, ECE 2066 Science of Information; *Charlottesville, VA*   Jan – May 2016

Research Assistant, UVA Rotating Machinery and Controls; *Charlottesville, VA*   May – Sept 2015
- Updated legacy Fortran code and programmed VB code for vibration analysis

Development Intern, iStrategyLabs; *Dupont Circle, DC*   July – Aug 2013
- Designed, 3D printed, soldered, and programmed robot to write tweets using a marker

EDUCATION
Conferences: Black Hat/DEF CON 2018

University of Virginia, School of Engineering (GPA: 3.844/4); *Charlottesville, VA*   May 2018
- Bachelor of Science in Computer Science
- Relevant Coursework: Algorithms, AI, Cloud Comp., Comp. Networks, Databases, HCI/UX, Machine Learning, Mobile Apps, NLP, Net. Security, Parallel Comp., Web Apps

Thomas Jefferson High School for Sci. and Tech. (GPA: 4.39/4); *Alexandria, VA*   June 2014