Ryan Swope

2560 Whitehorse Road Berwyn, PA 19312
(610)-304-8553 | rswope@middlebury.edu
github.com/swopery | linkedin.com/in/ryan-swope-a8425b113

Education

Middlebury College   **Middlebury, VT**
- BA candidate for Computer Science, Philosophy minor   May 2018
- **GPA**: 3.55; College Scholar/Dean's List (6 semesters), CSA Scholar Athlete Award (2016-2017, 2017-2018), NESCAC All-Academic Team (2016-2017, 2017-2018)
- **Relevant Coursework**: Software Development, Algorithms and Complexity, Visual Data Analysis, Data Structures, Systems Programming, Machine Learning, Computer Networks, Theory of Computation, Discrete Mathematics

Conestoga High School   **Berwyn, PA**
- **GPA**: 3.9, National Honor Society, AP Scholar with Distinction   May 2014
- **Leadership/Activities**: Captain of Varsity Squash Team, Captain of Varsity Tennis Team

Work Experience and Projects

Full-Stack Software Development Intern   **Washington, D.C**
Represently   Summer 2017
Vue.js, Django, HTML/CSS, PostgreSQL, AWS, Git
- Developed Represently core SaaS web application product utilizing Vue.js Javascript framework to for component development, Vuex for global state management and Vue Router for routing
- Strategized and analyzed product decisions with Business Development team from a UX perspective
- Constructed Django (Python) models and ran migrations to manage structure and relationships of database
- Implemented RESTful API endpoints using Django and JWTs for authentication and secure client data transactions

System Engineering Intern   **King of Prussia, PA**
Evolve IP   Summer 2016
Bash, Python, HTML/CSS, Nagios
- Wrote powerful scripts in bash and Python for automation of and improved efficiency in every-day tasks
- Oversaw company servers from a Linux Admin perspective, monitoring performance and memory usage
- Configured host-dependency amongst company servers for host groups
- Completed several front-end (HTML/CSS) projects for improved design and functionality in company portal

Skills and Strengths

- **Primary Programming Languages**: Java, Python, JavaScript (Node, React, Vue), C
- **Secondary Programming Languages:** Bash, HTML/CSS, R, Matlab
- **Databases:** MySQL, MongoDB
- **IDEs:** Eclipse, Spyder, RStudio

Projects

Sounder | Co-Developer (*React.js, Knex.js, MySQL, Node, Express, Git*)
- Developed React web application designed as an extension for Soundcloud artists to organically grow their network; lead development efforts on the backend, including writing the API and making major architecture decisions

my-malloc.c | Co-Developer (C, Git*)*
- Personal implementation of malloc (memory-allocation program) using doubly-linked list struct

Leadership/Activities

Captain of Middlebury Varsity Men's Squash Team
- Organized and scheduled preseason workouts and practices, communicated effectively between head coach and teammates, mediated intra-team disagreements, effectively delegated organizational and logistical tasks to teammates

Active Member of Middle Endian Club
- Participate in regular programming practice, technical project presentations, discussions of new technology, and career and interview preparation