

Ryan Swope

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Education

Middlebury College (May 2018)

Middlebury, VT

- Bachelor of Arts candidate, Computer Science major, Philosophy minor
- **GPA:** 3.55; College Scholar/Dean's List (3 semesters), CSA Scholar Athlete Award (2016-2017)
- **Relevant Coursework:** Visual Data Analysis, Statistics, Data Structures, Computing for the Sciences, Theory of Computation, Discrete Mathematics, Software Development (currently enrolled), Algorithms and Complexity (currently enrolled)
- **Activities:** Member of the Men's Varsity Squash Team and Middle Endian Club

Work Experience

System Engineering Intern

King of Prussia, PA

Evolve IP (Summer 2016)

- Wrote powerful scripts in bash and Python for improved efficiency in every-day tasks as well as larger-scale projects
- Oversaw company servers from a Linux Admin perspective, monitoring performance/memory usage
- Configured host-dependency amongst company servers for host groups
- Tested various scripts and servers
- Completed several front-end/HTML web projects for improved design and functionality
- Developed a proficiency in the Linux command line and Linux file systems

Lab Research Intern

Philadelphia, PA

University of Pennsylvania Center for Sleep Lab (Summer 2014)

- Prepared various solutions and samples for research purposes
- Observed microscopy results for neurological damage and gathered data in Excel
- Collected and analyzed data from my findings from a statistical standpoint and presented these findings graphically to lab director, Dr. Veasey

Assistant Tennis Instructor

Havertown/King of Prussia, PA

Llanerch Country Club/Martin's Dam (2012-2015)

- Communicated effectively with members of all ages through instructing them and accommodating their needs daily
- Organized clinics for members and mentored new staff members
- Increased tennis program attendance from 45-50 members to 120 members over one-year span with the help of head tennis professional and other instructors
- Provided private and specialized instruction to members as needed

Skills and Strengths

General Computer Skills: Proficient in Microsoft Excel, Word, PowerPoint, Outlook

Programming Languages: Java, R, Python, Javascript: Node.js, React.js (proficient). Prior experience with bash and Python scripting, HTML/CSS, and C. Basic knowledge of Matlab, and MySQL.

Design/IDE: Eclipse, Spyder, RStudio

Operating Systems: Comfortable with Mac OS and Linux file systems, command lines, etc