

Roman Verner

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Portfolio: <https://romverner.github.io/portfolio.html>

SUMMARY

Curious and data-driven Back-End Developer seeking a full-time position. Experienced in JavaScript and Python; having developed several web-based apps, games, and utilities. Strong background in teaching, managing and project design. Completed the Penn LPS full-stack certification program to improve skills in server-side development, implementation of databases, and creating reactive web-pages.

TECHNICAL SKILLS

JavaScript, Python, HTML5, CSS3, Bootstrap, JQuery, Angular JS, Firebase, Node JS, MySQL, MongoDB, React, Git, computer science fundamentals, data structures, algorithms

PROJECTS

46 Peaks Log | <https://github.com/romverner/46-Peaks> | <https://romverner.github.io/assets/projects/adk/index.html>

Independent Project

A site dedicated to helping users plan their trip to the Adirondacks by providing mapped locations of mountain peaks, upcoming weather, and resources to more information about the region.

- Dynamically labels mountain peaks to a map of the region to help users visualize and plan their trip.
- Written using HTML/CSS with Bootstrap and JavaScript, utilizing the following technologies: JQuery, Moment.js, Email.js, Leaflet API, Dark Sky API, Firebase, and AJAX

Game Concept | https://github.com/romverner/Game_Concept

Collaborative Project -- Role: Game Logic, Map Generator, and GUI Assistance

A proof of concept game created using native Python libraries. The game allows users to move a sprite in two-dimensional space as well as shoot projectiles against enemy sprites.

- Using an object-oriented approach, created a simple top-down view game that can be controlled through the use of key-inputs or rendered on-screen buttons.

EXPERIENCE

Lab Manager – Penn Medicine – Philadelphia, PA

July 2017 - Present

Managed a small lab of three to seven people by training new incoming members, maintaining the inventory of supplies, and providing members guidance and resources to keep experiments progressing. Collaborated with neighboring labs and lab-members on experiments and project design. Presented data at departmental conferences and meetings. As a founding member of the lab implemented task-management and inventory management software.

Key Accomplishments:

- Led start-up efforts during the founding of the lab; ordering all necessary supplies and equipment, and assigning necessary training to members to get to operational status on time
- Implemented inventory management software to improve inventory tracking and accountability
- Learned the experimental protocol and analysis for various high-throughput sequencing methods and implemented them in the lab.

EDUCATION

University of Pennsylvania, Philadelphia, PA – Full Stack Web Development Bootcamp

The Pennsylvania State University, University Park, PA – Bachelors of Science in Biochemistry and Molecular Biology