Nicholas Sliter

419-***-**** | me@nsliter.com | github.com/Nicholas-Sliter

Education

Middlebury College, Middlebury, VT   May 2023
Candidate for Bachelor of Arts: Major: Computer Science, Minor: Mathematics
- GPA: *3.87* | Major GPA*: 3.93*
- Coursework: *Data Structures, Algorithms and Complexity, Computer Architecture, Graph Theory, Data Science Across Disciplines, Multivariable Calculus, Linear Algebra*

Skills

Languages: Java, Javascript, Python, R
Technologies: NodeJS, R Shiny, MESA (Agent-based model), jQuery, Wix Velo, GitHub

Experience

Middlebury College, Middlebury, VT   May 2021 - Present
Research Assistant
- Develop an agent based model to simulate synchronous behavior in drosophila (fruit fly) larvae using python and the MESA framework.
- Implement a data collection and visualization system.

Toledo Clinic Facial Plastics and Dermatology, Toledo, OH   Nov. 2020 - Present
Web Developer
- Implement customer-facing web sites using the JS-based Wix Velo platform.
  - General site design, layout, and content creation.
  - Develop custom review components.
- Full-stack development of multiple internal tools using a NodeJS stack with a REST API and jQuery.
  - Internal administrative dashboards allowing database editing and visualizing performance metrics.
  - Internal web quiz system for continuing medical education (CME).
- Develop a tool to crawl and compile Google maps reviews across multiple business locations and send the results to a database.

Middlebury College—midd.data, Middlebury, VT   Mar. 2021 - June 2021
Research Assistant
- Performed data analysis, cleaning, and presentation of 18th century Dutch textile trade data
- Developed automated tools in R to facilitate cleaning historical, heavily damaged, and messy data.
- Created two interactive web visualization toolkits in R Shiny, HTML/CSS, and JS.
- Work was included in grant applications.

Ottawa Hills High School—IT Department, Toledo, OH   May 2018 - Aug. 2019
Student IT Technician
- Troubleshooting, repair, maintenance, installation, and decommissioning of thousands of machines.
- Worked with Windows, MacOS, iOS, and ChromeOS student machines and Windows and Linux-based servers.
- Developed automated deployable scripts to increase workflow efficiency.