Adam Spera

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EDUCATION

- **Arcadia University**   Glenside, PA
  Dean's Honors - Computer Science; GPA: 4.00   *August 2021 - May 2025*
  Courses: *Java I, II, & III Algorithms, Network Security, Research Writing, Web Development, Independent Study, Database Systems*
  Awards: *Distinguished Deans Honors, Chairman's Award at First Robotics Competition, Awarded $5K ITC Research Grant by AU*

SKILLS SUMMARY

- **Languages**:   Java, Python, JavaScript, SQL, HTML, CSS, SwiftUI, LaTeX
- **Frameworks**:   NodeJS, Express, REST, Google Cloud, JavaFX, DJango, Fetch
- **Tools**:   GIT, MySQL, SQL Workbench, VSCode, Eclipse, IntelliJ, PyScript
- **Platforms**:   Linux, Web, Windows, Arduino, Raspberry, AWS, GCP, Oracle Cloud, MS Azure
- **Certifications**:   CompTIA Networking+ (Plus) Training, Java MTA, Google Analytics Individual Qualification

EXPERIENCE

- **CodingNinjas**   **Volunteer**
  IT Administrator & Counselor   *June 2022 - Present*
    - **Network Upkeep**: Maintain stability and reliability across network to ensure an uninterrupted experience for students
    - **Student Education**: Mentor and teach 30+ 5-14yo students Java and Python fundamentals in intuitive and fun ways

- **Arcadia University**   **Internship**
  Network and Systems Administrator   *May 2022 - Present*
    - **Network Documentation**: Fully documented 50+ MDFs, IDFs, and Cores across campus using Confluence
    - **Cisco Meraki Upgrades**: Installed and configured 40+ Cisco Meraki Switches network wide
    - **UPS Inventory**: Compiled all APC UPS data across campus into an intuitive UI using data analytic solutions
    - **Access Point Mapping**: Identified and mapped all 800+ Aruba access points across multiple campus'
    - **Wired Port Consolidation**: Analyzed 1500+ wired ports across campus utilizing Fluke technology's and systems

- **Sparkmate App**   **Contract**
  Head of Prototype Development   *November 2021 - April 2022*
    - **Prototype Development**: Developed full stack web app prototype for first and second investment rounds
    - **Algorithm Design**: Designed algorithmic framework for a self learning database focused on scalability
    - **Back Office**: Installed back office systems, ex. Microsoft365, Sentinel Systems, and Cisco Enterprise systems
    - **Management**: Advised hiring process for over 350 candidates and conducted technical interviews

- **Arcadia University**   **Work Study**
  IT Networking Assistant   *September 2021 - May 2022*
    - **Help Desk Support**: Assisted in helpdesk department to help with capstone projects' technical issues
    - **Storage Organization**: Routed and organized all networking supplies across all facilities on campus
    - **Impact**: Multiple security vulnerabilities identified through social engineering and cyber solutions, fully patched

- **Acts Retirement Communities**   **Part Time**
  Dishwasher and Resident Assistant   *February 2018 - August 2021*
    - **On-boarding & Training**: Trained 15+ new hires, through multiple day training events and tutorials
    - **Learned and Gained**: Patience, as new hires would falter and adjust to the quick and sensitive environment

PROJECTS

- **LaundryLott - University Integrated Laundry App**: Published web app for universities to better support their students while offering students an easy way to make money, just by doing laundry. Users can start and finish a load with just one click and get rewarded automatically. In 2021 LaundryLott averaged over 150+ daily users and 500+ daily visitors. Tech: JavaScirpt, NodeJS, Express, MySQL, HTML, CSS, Bootstrap & REST (October '21) [GitHub]

- **Safe Links - Cyber Security Chrome Extension**: Published on the Chrome Web Store, Safe Links is an extension that provides a safer internet browsing experience. Safe Links automatically scans all links on every loaded page for malicious content, flagging it down if its evil. Utilization of Google APIs and compact Fetch requests, Safe Links consumes virtually no extra memory or processing power to interrupt daily Chrome usage. Tech: JavaScript, HTML, CSS, Google Cloud Platform & Google Safe Search API. (April '22) [GitHub]

- **Ocean Of Plastic - Environmentally Conscious Twitter Bot**: Every day 8 million new pieces of plastic pollutes our oceans. In a small effort to help, I crafted OceanOfPlastic, a Twitter bot that posts the current total amount of plastic in our oceans. Find it @OceanOfPlasticB on Twitter. Tech: JavaScirpt, Python & Twit API (December '21) [GitHub]

- **Logwrite - Code Debugger in NPM**: When programming and testing in JavaScript, the more you test, the more apparent a history of console logs becomes helpful to have. Logwirte allows to users simply use logwite.go method which functions both as a standard print statement, but also saves history to a local log file. Tech: JavaScript & NPM (November '21) [GitHub]

- **Express Deddion - Vulnerability Demonstration in NPM**: The Express-Deddion package published on Node Package Manager demonstrates how the simplest typo can result in catastrophic data leaks and vulnerabilities in your programs. Tech: JavaScript & NPM (November '21) [GitHub]