MATTHEW KANTER

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Skills

- Java | JavaScript | PHP | C | Python | PL/SQL | React | jQuery | D3 | Git | Power BI | OAuth
- OOP/Functional/Event-Driven | CI/CD | Relational Databases | REST APIs | Agile Management | Documentation
- Unix Systems | TCP/IP Stack & Sockets | Frontend | Backend | Full-Stack | English

Experience

Software Engineer / Scientist — **Naval Surface Warfare Center Dahlgren Division (NSWCDD)** — *Dahlgren, VA, USA* — **05/2024 - Current**

- Accumulated experience working with and handling sensitive documents that require a DoD security clearance.

Student Aide Programmer / Applications Developer, Intern — **UMW** — *Fredericksburg, VA, USA* — **09/2022 - 05/2024**

- Worked as an indispensable member of the Enterprise Application Services IT department at UMW to write PL/SQL queries and Power BI paginated reports to encourage comprehension from internal UMW departments of data points in an Oracle database.
- Gained extensive experience in Agile JIRA workflow management, focusing primarily on documentation, issue ticketing, and testing.

Software Engineer, Intern — **KeyCaliber** — *Remote* — **01/2024 - 04/2024**

- Designed and implemented role-based access control (RBAC) throughout the application stack, securing the application's data with Auth0 authentication and authorization services.
- Established a regular cadence of technical public speaking to explain complex, abstract, and open-ended problems and systems to both scrum standup meetings and ad hoc demonstrations.

Software Engineer, Intern — **SitScape** — *Remote* — **05/2023 - 08/2023**

- Received practical experience working compartmentally toward larger team goals and project completion.
- Furthered web development skills to create new features for SitScape's product dashboard, including network and tree-based link graph widgets using the D3.js library with dynamic user I/O, settings, and data.
- Expanded PHP and back-end database management skills to establish data pipelines necessary for dynamic user I/O.

Software Developer, Intern — **Gigasheet** — *Remote* — **10/2022 - 01/2023**

- Developed elementary knowledge of Go programming and SwaggerDocs (Swaggo) to develop custom API documentation for endpoints within a REST API.

Software Engineer, Intern — **KeyCaliber** — *Remote* — **05/2022 - 08/2022**

- Assembled with a team of other interns to develop a Chrome web extension KeyCaliber is now using in the deployment of their product, providing further market value for product pitches to all of their clients.
- Took a role of leadership within my intern cohort to push the team in a comprehensive direction and ensure effective and positive communication toward resolving project issues and establishing development techniques.

Education

Bachelor of Science — **University of Mary Washington (UMW)** — *Fredericksburg, VA, USA* — **08/2020 - 05/2024**

- GPA: **3.74/4.00** - *Magna Cum Laude* (High Distinction), University Honors
- *Concentrations:* Double Major in Computer Science and Communication & Digital Studies, Minor in Cybersecurity
- *Awards:* Collegiate Award, John William and Anne Hamilton Hudachek Scholarship, Dean's List (Spring & Fall 2022, Spring & Fall 2023)
- *Relevant Coursework: OOP Analysis & Design, Data Structures & Algorithms, Computer Systems and Architecture, Theoretical Foundations of Computing, Operating Systems, Database Applications, Network Principles & Applications, Software Security, Artificial Intelligence, Generative AI, Modeling and Simulation, Software Engineering, Creative Coding, Digital Rhetoric*

Projects

- **PERSONAL WEBSITE:** Maintaining a web-hosted React application to advertise my capabilities as a software developer and to explore new web development technologies.
- **FINITE AUTOMATA LANGUAGE COMPILER:** Designed and implemented a research project aimed at creating a language compiler to help students grasp finite automata theory.

Others

- **Technical Industry Entrepreneurship Internship Certification**: Credly badge for completing an internship for a VA regional technical startup with Gigasheet issued by George Mason University (GMU), **(Issued 03/14/2023)**