

# MATTHEW KANTER

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## Skills

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

## Experience

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

- Accumulating experience working with and handling sensitive information that requires 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 in both scrum standup meetings and ad hoc demonstrations.

**Software Engineer, Intern** SitScape *Remote* **06/2023 - 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 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 on 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, **Chi Alpha Sigma**, **Lambda Pi Eta** member
- *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 INTERPRETER:** Designed and implemented a simplistic programming language interpreter to **Python** to help students grasp categories of computational theory programmatically, in addition to a computed graph through visualization libraries.

## 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**)

Recommendations available upon request.