# MATTHEW KANTER

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## Skills

- Java | JavaScript | PHP | HTML/CSS | C | 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 - Present**
                                                          **Dahlgren Division (NSWCDD)**

- Developed fixes, improvements, and new features to tactical communications software for various missile weapon systems for the U.S. Marine Corps and the broader Navy, decreasing the capacity for operational error for deployed armed service weapon system operators.
- Participated in an agile, ticket-based development cycle using **C++, Shell Scripting**, and **Ada** programming languages.

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

- 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

**Master of Science**          **Georgia Institute of Technology (GT)**          *Remote*     **08/2024 - Present**

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

- Double Major in Computer Science and Communication & Digital Studies, Minor in Cybersecurity, GPA: **3.77/4.00**

## 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.