**Alex Karapetkov**

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# EDUCATION

**James Madison University -** *Computer Science (B.S.)*

* President’s List, Dean’s List
* Minors: Asian Studies, History
* Expected Graduation: May 2024

# SKILLS

**Language Proficiency:** Bilingual proficiency in **Bulgarian** and Intermediate Reading, Writing, Speaking, and Listening in **German**

**Software:**

* Proficient use and navigation of Eclipse, IntelliJ, VS Code, GitHub, Linux command line, Bootstrap framework, Unity Game Engine, Vivado Suite

**Programming**

* **Intermediate** level Python, HTML 5, CSS, D3 JavaScript library, JavaScript, C, C#, Ruby, Haskell, Rust, Verilog; **Advanced** level Java

# PROJECTS

**Virtual Reality Game** Sept 2023 - Dec 2023

* I worked with a team to build a VR game using Unity Game Engine and Meta Quest 2 headset

**GridKid spreadsheet application** Sept 2023 – Dec 2023

* I designed and implemented my own spreadsheet application using Ruby

**Command-line Shell** Sept 2023 – Nov 2023

* I built a command-line shell with C that operates in similar manner to the Bash shell on Unix

**Dog Meme Creator** Sept 2021 – Dec 2021

* I designed and implemented fully functional software with Java that allows users to create dog memes
* I collaborated with a software engineering team and utilized Scrum framework to create product in 5-week time frame

**Asteroids Video Game** April 2021

* I developed a version of the Asteroids video game with Java using abstraction, polymorphism, and inheritance

**Task Planner/Calendar Web Application** Sept 2020 – Dec 2020

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| **LEADERSHIP/INVOLVEMENT**  **Member of JMU Delta Phi Epsilon Professional Foreign Service Society** | Dec 2021 - Present |
| **Secretary for Asian Student Union at JMU** | Dec 2019 - May 2021 |
| **Virginia Seal of Biliteracy for German** Sept 2018 | |
| **Virginia Governor’s World Language Academy for German** June 2018 - July 2018 | |

* I produced an interactive web interface that serves as a planner/calendar using JavaScript, HTML 5, and CSS

# WORK EXPERIENCE

**University Recreation Center Site Manager** Aug 2022 – Present

* I help operate all Intramural sport areas in a safe manner, manage officials, work with team to coordinate IM sports