

Kenneth Mecum

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Professional Experience

- 2019–present **Software Development Engineer at Amazon**
Work on the Prime Video Downloads Services team building and maintaining two services enabling downloads for millions of Prime Video customers. Propose, design, and implement new features and improvements to the service based on internal and customer needs. Led multiple major projects from design to implementation and maintenance.
- 2018–2019 **Software Developer II at Hexagon Mining**
Designed and implemented new features for the flagship product for the company, a mining CAD program for planning, designing, and managing the life-cycle of a mine. Performed code maintenance, including bug fixes, refactoring, and documentation. Worked on a team using source control and Agile to provide collaborative solutions to customer problems. Worked on several research projects including:
- A transition from a legacy UI framework to WPF
 - Moving from a custom in-house renderer to OpenSceneGraph
 - Replacing a legacy disk-based file format with a SQL database using a centralized service in .NET Core
- 2017–2018 **Section Leader at University of Arizona**
Led weekly sections of 15-30 students through an introduction to programming course in Python and a course in Discrete Mathematics. Graded homework and exams and held office hours weekly.

Education

- 2016-2018 **Bachelor of Science in Computer Science**
Magna cum laude
University of Arizona
- 2012-2014 **Bachelor of Arts in History and Geography**
Magna cum laude
University of Arizona

Skills

- Languages | Java, C, C++, C++/CLI, C#, F#, GLSL
Technologies | Linux, Windows, OpenGL, .NET, .NET Core