

KEENAN SCHOTT

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EDUCATION

University of Washington - M.S. in Information Management Program/Product Management & Consulting (PPMC) Specialization	Sep 2024 - Aug 2025 GPA: TBD
Colorado School of Mines - B.S. in Computer Science Computer Engineering Specialization Summa Cum Laude, Dean's List x6, Cyber Defense Education Certificate	Aug 2021 - May 2024 GPA: 3.94

EXPERIENCE

Software Engineer Intern ICR, Inc.	May 2024 - Present
<ul style="list-style-type: none">Built new features for the JNWC's Request for Information (RFI) web application in React and TypeScript, which included an advanced RFI filtering tool and NLP capabilities through Ollama to enhance RFI autofillRevamped the application's CI/CD; enhanced linting, optimized the Gitlab pipeline, implemented comprehensive unit testing, and orchestrated delivery via Docker and Jenkins	
Software Engineer Intern Datava	May 2023 - Apr 2024
<ul style="list-style-type: none">Spearheaded the implementation of robust PostgreSQL support catering to credit unions throughout the Western United States, leveraging PHP and PHP Data ObjectsIntegrated back-end work into JavaScript components in collaboration with the front-end team using an Agile framework and Git, enhancing the functionality of the query browser interface	
Teaching Assistant Colorado School of Mines	Dec 2021 - Dec 2023
<ul style="list-style-type: none">Managed 300+ introductory Computer Science students over 4 semesters; hosted weekly office hours and taught Python, software basics, and programming concepts, such as data types, functions, and recursion	

RESEARCH

Research Assistant Mines Interactive Robotics Research	Oct 2022 - Mar 2023
<ul style="list-style-type: none">Explored perceptions of abstract pointing gestures exhibited by robots; the resulting research was published in a conference paper and presented at the 2024 ACM/IEEE conference on Human-Robot InteractionAnalyzed experimental results involving human participants engaging with robots and virtual reality settings using R to rigorously test and quantify research hypotheses	

PROJECTS

CS Curriculum Flowchart Full-Stack Development	Jul 2023 - Aug 2023
<ul style="list-style-type: none">Harnessed JavaScript, React, and PostgreSQL to provide students with an engaging tool for visually interlinking courses within a dynamic flowchart as an alternative to university-provided, static flowcharts	
Arbitrage Calculator Full-Stack Development	May 2023 - Jun 2023
<ul style="list-style-type: none">Employed a real-time sports betting API to strategically identify arbitrage opportunities within online markets, ensuring assured profits through the adept utilization of PHP and JavaScript	
Clue Full-Stack Development	Jan 2023 - Jun 2023
<ul style="list-style-type: none">Demonstrated software engineering prowess through a reimagining of the classic game Clue in the CSCI 306 course, employing advanced object-oriented programming (OOP) techniques and unit testing in Java	
Singular Value Decomposition Image Compression Full-Stack Development	Apr 2023
<ul style="list-style-type: none">Utilized my understanding of SVD to elegantly compress images while retaining essential information, employing Python's versatile toolkit to display the original image, compression ratio, and conserved data	

TECHNICAL SKILLS

Programming Languages | Python, Java, PHP, C/C++, JavaScript, TypeScript, Rust, Go, Bash, HTML, CSS, SQL, R
Technologies | Linux, React, Node, Bootstrap, JUnit, REST APIs, NumPy, PostgreSQL, MySQL, MongoDB, Ollama
Developer Tools | Git, GitHub, Gitlab, Docker, Jenkins, Agile, CI/CD, Unit Tests