

William Silich

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Education:

- Iowa State University Ames, IA
May 2024
 - B.S. Computer Science
 - Minor: Cyber Security
 - GPA: 3.87
 - AWS Cloud Practitioner Certification August 2023
 - Western Dubuque High School May 2020
 - GPA: 3.96
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Work Experience:

- Software Engineering Intern to Part-Time – Principal Financial May 2023 – Present
 - Worked with AWS cloud development and on-prem development
 - Implemented new features on a variety of AWS cloud-based web apps
 - Migrated applications and services from on-prem to cloud platforms
 - Implemented security fixes to vulnerable web applications
 - Worked with Typescript and Java (Spring Boot) applications
 - Software Engineering Intern – Principal Financial May 2022 – August 2022
 - Implemented security fixes to vulnerable web apps including Log4j
 - Worked as part of a team to test new security measures
 - Improved coverage for pre-prod deployment testing
 - Worked with Java (Spring Boot) applications
 - Software Developer – Iowa State University May 2021 – May 2023
 - Full Stack web developer (Typescript/JavaScript/CSS/HTML/PHP)
 - Created and implemented database relational models
 - Fulfilled 3rd party client design specifications
 - Used Git/Jira project management tools
 - Worked with Laravel/Vue Frameworks/PHP for developing websites
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Notable School Projects

- AI-Powered Checkers:
 - Developed a Python application that would play checkers as part of AI class.
 - Implemented Alpha-Beta pruning search algorithm for finding best move
 - Mobile App Development:
 - Developed as part of a team an Android racing application.
 - Focused on backend development using Spring Boot
 - RPG Dungeon game:
 - Terrain generating and open world Pokémon game complete with battle and captures
 - Written in C and then later ported and advanced with C++
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Recent Activities and Leadership:

- Cyber Security Club (IASG) August 2021 - Present
 - Help organize and give talks about a variety of security topics, demonstrations, and bring in industry speakers
 - Cabinet member August 2022 - Present
 - Vice President
 - Web chair
- Cyber Defense Competitions September 2021 - Present
- Online Capture the Flag Competitions August 2021 – Present
- Iowa State Honors Program August 2020 – Present
- Eagle Scout April 2019