MAX PILIPOVIC

CONTACT

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github.com/maxpilipovic

SKILLS

- **Programming Languages:** Java, Python, C++, C#, PHP, HTML, CSS, JavaScript, TypeScript, SQL
- **Libraries & Frameworks:** Angular, React, Next.js, Node.js, .NET
- **Tools & Platforms:** Git, GitHub, Docker, Nintex, Director, Microsoft Power Automate, Machine Learning

ACCOMPLISHMENTS

- NCAA Division 1 Student Athlete
- OVC Commissioner's Honor Roll
- Horizon League Honor Roll
- ITA Scholar Athlete
- President of Sigma Pi Beta-Gamma Chapter

ACTIVITIES

- Eastern Illinois University Men's Tennis Team
- Student Athlete Advisory Committee
- Sigma Pi Beta-Gamma Chapter

SELECTED PROJECTS

- **Independent Research on AES**
  - Developed a simplified variant of the Advanced Encryption Standard (AES) with 16-bit and 24-bit configurations to mimic the 128-bit system. Conducted deep learning-based attacks using neural networks to target the secret key, demonstrating improved computational efficiency compared to brute force methods.

EDUCATION

December 2025
Master of Science Computer Science
University of Illinois Springfield, Springfield, IL
GPA 4.00/4.00

May 2024
Bachelor of Science Computer Science
Eastern Illinois University, Charleston, IL
Minors in Mathematics and Business Administration
GPA 3.46/4.00

PROFESSIONAL SUMMARY

Dynamic Australian student pursuing a Master's degree in Computer Science with practical experience in programming and designing solutions. Proven to have a strong work ethic, multi-tasking abilities and problem-solving skills in a fast-paced environment. Eager to apply technical skills in a challenging role to drive growth and development.

WORK HISTORY

Aug 2024 - Current
Computer Science Teaching Assistant *UIS CS Dept,* Springfield, IL
- Hosted workshops and provided tutoring across multiple undergraduate classes, dedicating 20 hours per week to students.
- Adapted instructional methods to accommodate different learning styles, enhancing technical proficiency.
- Tracked academic progress and offered targeted feedback, contributing to an 8-10% improvement to students' grades.

May 2024 - August 2024
System Architect Intern *First Mid Bank & Trust*, Mattoon, IL
- Assisted in designing system architectures to support business processes.
- Implemented automation solutions using Nintex and Microsoft Power Automate to enhance operational efficiency.
- Developed and maintained SQL databases and C# applications for various internal projects.
- Created workflows and system integrations to streamline overall performance.

May 2023 – Aug 2023
Full-Stack Developer Intern *Rural King*, Mattoon, IL
- Maintaining and upgrading employee portal (ATK) containing critical business features such as planning and routing of purchase orders.
- Maintaining a custom reporting dashboard for sales, purchasing and other departments.
- Integrating Oracle Cloud ERP into internal systems.