Erik Pfeffer

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EDUCATION

University of Maryland **College Park, MD**
Bachelor of Science | Major: Computer Science, Minor: Statistics *Expected May 2025*
   GPA: 3.8/4.0
   Relevant Coursework: Object-Oriented Programming, Data Structures and Algorithms, Calculus,
   Computer and Network Security, Applied Probability and Statistics, Database Design.
   Societies/Clubs: Sigma Phi Delta (Professional CS and Engineering Fraternity), BigThink AI Club.

SKILLS

Programming Languages: HTML5, CSS3, JavaScript, React.js, Node.js, Express.js, Next.js, MongoDB,
   Mongoose, SQL, MySQL, PostgreSQL, TailwindCSS, Python, Java, C, Git, Bash, Linux.
Software/IDE Experience: Visual Studio Code, Eclipse, PyCharm, Terminal (Mac/Linux), Github, Jupyter, Excel.

WORK EXPERIENCE

Voya Financial **Remote**
Finance Systems Software Developer Intern *May 2023-August 2023*
- Constructed Python scripts to generate insightful Excel sheets that identified and reconciled matching financial transactions, significantly streamlining the financial close process and ensuring data accuracy in reporting.
- Led meetings to present and analyze match sets in Excel and conducted training sessions on the use of the BlackLine software for teammates.
- Assisted in the implementation of data validation protocols to ensure data integrity and compliance with regulatory requirements.

MITRE **McLean, VA**
Intern for a Day *March 2022*
- Shadowed the CFO of MITRE for a day to gain insight into the financial management and decision-making processes of a major corporation.
- Observed the leadership style of the CFO, learning effective methods of communication and strategic planning in a high-level corporate setting.
- Participated in cross-functional meetings to observe how financial data is used to drive strategic initiatives and support the company's mission.

LEADERSHIP AND INVOLVEMENT

Sigma Phi Delta - Executive Board **College Park, MD**
Secretary *November 2023-Present*
- Diligently maintained accurate records of fraternity meetings, minutes, and attendance, ensuring transparency and accountability among members.
- Established and sustained a proactive line of communication with the fraternity's national office, providing timely and accurate reporting on chapter activities, membership updates, and compliance matters.
- Designed and implemented an automated attendance recording system for the fraternity, leveraging my technical skills in software engineering to streamline and enhance the accuracy of attendance tracking processes.

UMD College of Computer, Math, and Natural Science **College Park, MD**
Recruitment Ambassador *March 2022-Present*
- Articulately communicated the rigor and depth of the computer science program to prospective students, showcasing deep knowledge in various CS topics and fostering interest in the curriculum.
- Mentored incoming computer science students, offering guidance and support to help them navigate the program and make the most of their college experience.
- Represented the College of CMNS at local college fairs, effectively conveying technical and social aspects of life as a computer science major at UMD.

PROJECTS

Security Research and Honeypot Deployment
   Scripted honeypots that replicated an industrial, healthcare, and bank file infrastructure to monitor and analyze malicious commands used by attackers.
   Technologies: Bash scripting, Linux, Networking.
Menu Master
   Developed a full-stack application to review restaurants based on prices or cuisine using the MERN stack and Next.js.
   Technologies: MongoDB, Express.js, React.js, Node.js, Tailwind, Next.js, RESTful API. **<u>View here</u>**
Post-It Notes
   Coded a full-stack application for notes with CRUD operations and JSON Web Token (JWT) authentication.
   Technologies: JWT, React.js, Node.js, MongoDB, Express.js, Tailwind, RESTful API. **<u>View here.</u>**