Emad Aleksandar Haskett

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EDUCATION

George Washington University - Bachelor's Degree **Washington, DC, USA**
Major in Computer Engineering | Minor in Computer Science **Sep 2020 - May 2024**

EXPERIENCE

J.P. Morgan Chase & Co. **Wilmington, DE, USA**
Software Engineer I **August 2024 - Present**

- Spearheaded modernization push for JPMC Auto technologies, coordinated multiple upstream and downstream teams to deliver maintainable, resource-efficient, and scalable solutions handling at least 15,000 credit applications a day.
- Partner directly with clients to understand and guide their expectations, then translate them into custom-tailored applications or solutions, fostering continued partnership with the company.
- Develop software solutions to meet the various business needs of JPMC and our clients, leveraging modern cloud platforms, software, and frameworks to deploy and maintain highly available, fault-tolerant, and customizable services.
- Maintain legacy enterprise applications, preventing outages and downtime, resolving and preempting any production issues, and implementing current security standards.

J.P. Morgan Chase & Co. **Wilmington, DE, USA**
Software Engineer Summer Intern **June 2023 - August 2023**

- Collaborated within fast-moving agile teams and contributed to iterative development and CI/CD processes.
- Assisted in the development of enterprise-grade systems within regulated financial infrastructure, and worked closely with my team in enhancing application performance and stability.
- Investigated and created a proof-of-concept for my team, utilizing frameworks and tools such as Apache Flink, Cassandra, and AWS EKS, presenting my findings and determinations.

George Washington University **Washington, DC, USA**
Student Learning Assistant **September 2023 - May 2024**

- Led weekly sessions expanding and clarifying lessons taught by professors and held one-on-one and communal tutoring sessions, reinforcing key course concepts and improving overall comprehension.
- Created lesson and lab plans designed to supplement and expand learning from class and foster critical thinking, teamwork, and showcase practical use cases for various concepts.
- Resolved various technical blockers as they arose, both with software and hardware that students were designing, facilitating their work while maintaining safety in the lab.

George Washington University **Washington, DC, USA**
Research Assistant **July 2022 - January 2023**

- Investigated high-efficiency vector-matrix multiplication using ReRam (memristor) architectures with applications in low-power AI hardware.
- Developed and optimized neural networks using PyTorch and TensorFlow, tuning hyperparameters to improve performance across multiple metrics.
- Analyzed model behavior using Mathematica to visualize accuracy, loss, and training dynamics; presented results to faculty and external stakeholders.
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ADDITIONAL SKILLS (Beginner, Intermediate, Professional)

Technical: C(I) | JAVA(P) | JavaScript(I) | Python3(I) | HTML5(B) | C++(B)| Kotlin (I) | React (B) | Verilog (I)
Technical: Apache Kafka(B), CI/CD(I), AWS Software and Cloud(P), Spring, Terraform, MATLAB(B), Mathematica (B)
Languages: English(Native), German(A2), Arabic(A1), Spanish(A1)