Joseph Sackitey

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Education

Gettysburg College Gettysburg, PA

Bachelor of Science in Computer Science and Physics *Expected Graduation: May, 2027*

Relevant Coursework: Data Structures And Algorithm, Full-Stack Web Development, Linear Algebra, Abstract Math, Principles of Databases, Intro to Computer Networks.

GPA: 3.84/4.0

Technical Skills

Java, Python, TypeScript, C# and .NET, React, Kotlin, Git, Mercurial, Node, Express

Professional Experience

Associate Software Developer Intern May 2025 - August 2025

Google *San Francisco, CA*

- Implemented a new desktop client for Google Play Games for PC, to replace a legacy C++ mplementation.
- Achieved substantial improvements in resource usage, including lower memory consumption, disk size, CPU utilization (idle/load/background), and faster launch latency.
- Contributed to improving maintainability, streamlining the build process, and enhancing test coverage for Google Play Games for PC.

Data For Good April 2025

JPMorgan Chase *Plano, TX*

- Created predictive model for **National Education Equity Lab**, analyzing school performance data to identify high-impact courses, enabling strategic expansion and improving student outcomes.

HeadStarter AI June 2024 - August 2024

Software Engineering Fellow *Remote*

- Developed and deployed 2 AI applications with custom APIs using Next.js, OpenAI, Pinecone, and StripeAPI, reducing dev cycles by 5% and boosting user engagement by 15%.

PROJECTS & OUTSIDE EXPERIENCE

AgroMesh Arduino, Python, FastAPI, React, Firebase, TensorFlow, ESP32, LoRaWAN

- Leading development of decentralized AI-powered system for smallholder farmers, delivering real-time insights on soil and crop conditions.

Link-library React.js, Firebase

- Built full-stack web app with Google Sign-In and real-time Firestore backend; reached 8 active users and improved resource access speed by 20%.
- Implemented tagging, categorization, and search to boost user efficiency and satisfaction by 25%.

Bluetooth Controlled Robotic Arm Python, Kotlin, Arduino

- Engineered a 3D-printed Bluetooth-controlled robotic prosthesis, integrating with an Android app using Java and Kotlin for seamless remote control and sensory feedback via Bluetooth sensors.

Leadership & Extracurricular Activities

President, Society of Physics Students: Coordinating 6+ events and establishing mentorship program for 15+ students, resulting in 17% growth in society engagement.

Google Developer Student Club: Led 3+ dev projects, hosted 2 workshops.

CodePath Fellow: Completed 10-week SWE course, developing 10+ applications with React.

ACM Member: Participated in 2 hackathons, contributed to 3 collaborative coding projects.

2X Resident Assistant: Mentored 24 residents, organized 5+ events, achieving 95% satisfaction.