

Sam Kravitz

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WORK EXPERIENCE

American Thrombosis & Hemostasis Network (ATHN)

Nov. 2021 - Present

Software Engineer

Remote

- Owned the design, development, and long-term maintenance of clinical research platforms supporting nationwide blood disorder research programs.
- Developed and optimized data-collection forms used by medical teams researching 6,000+ patients with bleeding disorders, improving accuracy and streamlining caregiver workflows.
- Built internal developer tooling to automate generation of new study forms, reducing setup time by several hours per form and accelerating delivery for new research initiatives.
- Drive improvements to form architecture and validation logic, increasing data accuracy and reducing follow-up work for clinicians and research staff.

Applied Research Associates

Jun. 2021 - Oct. 2021

Software Engineer

Raleigh, NC

- Developed and optimized C++ software solutions for complex, mission-critical projects in national security, infrastructure, and health sectors, ensuring high performance and reliability.
- Contributed to the full software development lifecycle, from requirements gathering and system design to testing and deployment, ensuring the delivery of effective and correct software aligned with client specifications.
- Collaborated with multidisciplinary teams to ensure solutions met strict client specifications and operational constraints.

EDUCATION

Purdue University

May 2021

Bachelor of Science, Computer Science

West Lafayette, IN

- **GPA: 3.6/4.0**
- Vice-President, Purdue Swim Club; Member, Purdue Linux Users Group

WORKS PUBLISHED

Promoting a Safe Laboratory Environment Using the Reactive Hazard Evaluation and Analysis Tool

- A. Talpade, P. Ghanekar, S. Kravitz, et. al
- Published in the American Chemical Society's Health & Safety Journal
- Published February 28th, 2021

SKILLS & INTERESTS

- **Technologies:** C/C++, Java, Ruby, JavaScript/TypeScript, Rust, Python, HTML, CSS, C#, x86/ARM assembly, Git, React, Rails, PostgreSQL, Docker, Java SpringBoot, Firebase, AWS, .NET, MongoDB
- **Skills:** AI Pair Programming, Cross-functional collaboration, Technical design & documentation, Mentorship / leading design reviews
- **Interests:** Triathlon, Chess, Basketball, Music Production