Elliott Dehnbostel
Resume

New York City, New York 10011

☎ +1 (513) 444 6906

✉ dehnbostele@gmail.com

⚡ https://github.com/elliottdehn

Meta: 2021-Layoff (Remote)
Senior Software Engineer (Core)

Discovered, designed, collaborated upon, delivered and validated at least $10M in server capacity savings together with almost 1% wall-time savings, with more ongoing or collaborated on. Engaged with and added value to critical components of infrastructure via novel re-approaches, while ensuring the stability of services. Created new data-sets and analyses to surface opportunities, leveraging static-analytical and generative approaches where such an approach falls short. Established the effective detection & clear documentation necessary to stop new uses of reflection from entering production, each of which would otherwise directly undermine current and future existential technical developments in privacy among other things.

PREVIOUS ROLES

Circle Financial: 2020-2021 (Remote)
Software Development Engineer

Developed an automatic customer billing system as a replacement for the manual approach already in use. Worked with a wide variety of stakeholders such as Legal, Sales, Finance and Engineering. Achieved on-time production deployment by anticipating and designing for frequent changes to requirements, which provides the business with greater agility in growth-hacking endeavors.

Garmin: 2019-2020 (Kansas)
Software Development Engineer

Developed both a distributed API serving millions of smart watch users per day and its associated customer support tool. Doubled test coverage by contributing a rule-driven arbitrary data initialization framework, which reduced flakiness and maximized passive fuzz-testing. Contributed to onboarding and overall support of new engineers.

Quantum Resistant Ledger: 2017-2018 (Remote)
Investor Liaison & Junior Engineer

Achieved a peak project valuation of $200M by communicating directly with investors on the development & overall value of a novel blockchain project leveraging quantum-resistant security. Contributed to system design, research, feature design, and security analysis. Found and resolved a catastrophic exploit using black-box security analysis techniques.

IBM: 2016 (Ohio), **Texas Instruments:** 2017 (Texas)
Software Development Internships

PRODUCTION EXPERIENCE

AREAS	Distributed Web Services, Performance & Efficiency Optimization, Scripting/Automation, Static Analysis, Code Generation, Mobile/Web Products & Internal Tools, Blockchain Applications
TOOLS	Version Control, Java, PHP/Hack, Python, Rust, Solidity, Dart, Memcached, SQL/NoSQL, GraphQL, JS/HTML/CSS, C++, C, LaTeX

PERSONAL PROJECTS

2022	**lodis (link)** *Tiny Rust-based HTTP server framework wrapper that delivers process resilience and continuous integration with local compute resources.*
2021	**arbeit** *High-performance, distributed arbitrage bot built on Ethereum. Based on independent research and development.*
2020	**/u/lit_word_bot (link)** *Reddit bot which finds and defines rare, colorful words such as "Codger" and "Mahout." Top 2% bot by popularity.*
2019	**IMPULSE! - Are You Slow Enough? (link)** *Brain-bending game involving self-restraint as a challenge. Available on Google Play and GitHub.*
2018	**Solar Energy Production Forecast** *Utilized machine learning to forecast the production of energy by a real solar field based on actual historical weather and irradiance data.*

FORMAL EDUCATION

2014-2018
GPA: 3.6   **The Ohio State University**
COMP. SCI. & ENGINEERING
Artificial Intelligence Focus