Leonora Tindall – Web and Systems Software Developer

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Education

Beloit College, Beloit, WI – *BA in Computer Science* (August 2016 – May 2020)
Graduated *summa cum laude.* Focus on computational models, algorithm analysis, and engineering practices. Other coursework included creative writing, rhetoric, philosophy, and sociology.

Experience

Freifunk, Berlin, Germany – *Systems Software Engineer, Contract* **May 2019 – June 2020**

- Developed a greenfield telecommunications project in collaboration with a global remote team.
- Designed and built a testing framework for eventually consistent systems.
- Collaborated on the design of an extensible and secure service API.
- Created ergonomic and easy-to-use APIs using Rust's powerful static type system.

CancerIQ, Inc., Chicago, IL – *Software Engineering Intern* **May 2018 – August 2018**

- Developed clinical software in a DevOps-heavy environment with a small group of engineers.
- Designed and implemented graph algorithms to search and analyze health data using the Rust language.
- Worked within an agile framework with 2-week sprints to rapidly deploy new features and fixes.
- Created a monitoring and alerting system to ensure uptime of a large Kubernetes deployment.
- Reduced search latency in form autocompletion to sub-10ms with a Rust trie implementation.

Beloit College, Beloit, WI – *Volunteer Full Stack Developer* **September 2017 – May 2019**

- Developed front-end, back-end, and database components of the Open Energy Dashboard.
- Built and tested a high-capacity API for data transfer between measurement devices and PostgreSQL.
- Performed user experience testing with A/B tests and in-person interviews to improve usability.
- Refactored a large React.js codebase to significantly improve developer productivity and performance.

güdTech, Inc., San Diego, CA – *Software Engineering Intern* **May 2017 – August 2017**

- Built developer productivity tooling for a team of engineers working in a service oriented architecture.
- Implemented command line tools using Go, working with the internals of Docker and Docker Compose.
- Worked with senior engineers to orchestrate onboarding and automated testing of microservices.

Skills

- Programming languages: Rust, Python 3, JavaScript, TypeScript, Go, Lua 5.2, Ruby, Elixir
- Technologies: PostgreSQL, Express.js, Rocket.rs, Nginx, React.js, Flask, Ruby on Rails, Phoenix
- DevOps: microservice thinking and design, Docker (and internals), Kubernetes, Prometheus, Grafana
- Engineering: test-driven development, advanced version control workflows, code review techniques
- General skills: rapid learning, time management, binary reverse engineering, advanced Linux knowledge

Projects and Recognition (these and many more at nora.codes/projects)

Open Energy Dashboard – Energy data analysis application built with Node.js, React.js, and PostgreSQL.
RFortune – Proof of concept ultra-fast, ultra-light quotes website and API built with Rust and Rocket.rs.
Silvr – Single-user blogging/CMS software built with Python 3, Flask, and SQLite.
Featured on Hackaday for my x86_64 binary reverse engineering tutorials and Geiger counter project.
Best Overall Award at CodeDay Spring 2015 for building an experimental roguelike game in 24 hours.
Special Award in Multimedia at CodeDay Spring 2016 for building a software music synthesizer in 24 hours.