Angela Dietz

Software Engineering | University of Waterloo

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SKILLS

Languages: Java ▪ Python ▪ JavaScript/TypeScript ▪ C/C++ ▪ Golang ▪ PHP ▪ Rust ▪ SQL
Technologies: GraphQL ▪ React ▪ Spring ▪ Prisma ▪ Next.js ▪ Kubernetes ▪ GCP ▪ AWS ▪ Git ▪ Vim

EDUCATION

Candidate for Bachelor of Software Engineering   **University of Waterloo**
GPA: 3.9/4.0   *Sept 2018 - Apr 2023*

- Relevant courses: Data Structures & Algorithms, Programming for Performance, Concurrency, Advanced Networking, Operating Systems, Database Management, Software Architectures, User Interfaces, Software Testing.

EXPERIENCE

Cockroach Labs | Software Engineering Intern   *Sept - Dec 2022* | **New York, NY**

- Saved **$10,000+/month** by updating resource sweeper using Golang to prevent accumulation of unused clusters.

Meta | Software Engineering Intern   *May - Aug 2022* | **New York, NY**

- Implemented **automatic pausing** of scheduled recruiting processes over holidays using Hack and GraphQL, ensuring **500+** recruiters don't need to work on **10+** company holidays per year.
- Enabled candidate reconsideration in Referrals tool by developing GraphQL mutations, React components, and a validation system which determines eligible referrals to increase employee sentiment and company hiring count.
- Optimized infrastructure to eliminate persistent storage of **100+** entities/day by querying data from alternate sources.

LinkedIn | Backend Systems & Infrastructure Engineer Intern   *May - Aug 2021* | **Sunnyvale, CA**

- Spearheaded development of **partial key lookup** in <u>Venice</u>, LinkedIn's derived data storage system, by leveraging RocksDB Prefix Seek in Java, allowing users to query **thousands** of values at once **without specifying full keys**.
- Propagated data through callbacks and reused objects to ensure partial key lookup could support **150,000+ QPS**.
- Migrated API for server side computation into all Venice clients by designing and implementing common interfaces.

Royal Bank of Canada | Software Developer Intern   *Sept - Dec 2020* | **Toronto, ON**

- Allowed secure transfer of **1 million** documents/year between mortgage specialists and home buyers by developing Spring web clients and exposing new APIs to request, store, and deliver files from each party.

Connected | Software Engineering Intern   *Jan - Apr 2020* | **Toronto, ON**

- Improved accessibility of Windows app by implementing support for screen reader and keyboard navigation usage with WPF .NET to **increase target market by 15%**.
- Developed network activity graph for Windows VPN client allowing users to conveniently monitor their network speed.

Tangam Systems | Software Developer Intern   *May - Aug 2019* | **Waterloo, ON**

- Maintained and optimized data processing tools using C# and TypeScript to support a **30% increase** in clientele.

PROJECTS

UW Blueprint ⬈ | Project Developer   *May 2021 - July 2022*

- Collaborated with student team to build a **web application** for Richmond Centre for Disability, consisting of an online storefront for requesting accessible parking permits and a customer management system, generating **$88,000/year**.
- Built GraphQL APIs with Prisma and React components with Chakra UI, and designed PostgreSQL schemas.

Children's Stock Market Game   *Jan 2022 - Present*

- Commercializing a children's stock market game for a non-profit by implementing a secure authentication system, and supporting facilitated games in a classroom using React, Spring, and MySQL.

UW Women in STEM ⬈ | Web Developer   *Aug - Dec 2020*

- Transformed the frontend of team website to align with new team brand using HTML, CSS, and JavaScript.
- Created resources for and led two Code Your First Game workshops with Pygame which had **60+ participants**.