

Dan Dexter

dandexter.com | [LinkedIn](#)

Location: Boulder, CO, USA
Email: <Redacted for Internet>

SENIOR SOFTWARE ENGINEER

I'm a full-stack software engineer who is passionate about building scalable backends and tools. I currently lead a team that is responsible for building offline batch processing infrastructure in C++ and Java.

EXPERIENCE

Senior Software Engineer

Google

Mar 2017 – Present
Mountain View, CA and Boulder, CO

Data Sovereignty

Feb 2022 – Present

- Lead an engineering team that develops C++ and Java libraries for batch data processing
- Develop and maintain a SQL AST translator that facilitates querying sharded, location-sensitive data
- Work with core infrastructure teams to design and scope new regionalization features

Google Drive

July 2019 – Feb 2022

- Implemented data model improvements and performance optimizations in Java backend
- Implemented new full-stack Google Drive search features and improved search results

Google Groups

Mar 2017 – July 2019

- Turned up and scaled new frontend pages and backend services for site redesign
- Maintained group, message, and thread processing pipelines for Google Groups search

Software Engineer

Tripadvisor

Jan 2013 – Mar 2017
Needham, MA and Palo Alto, CA

- Created new full-stack, revenue-generating pages and features
- Maintained SEO-related templating engine and analyst tools
- Led site-wide HTTP to HTTPS migration across all Tripadvisor domains

Research Assistant

University of Waterloo

Sep 2010 – Oct 2012
Waterloo, Ontario

- Conducted graph algorithm and combinatorial optimization research for half-sibling relationship problems in population genetics

Student Software Engineer

Laboratory for Atmospheric and Space Physics (LASP)

May 2008 – Aug 2010
Boulder, CO

- Developed a C++ data processing pipeline for GOES-R satellite telemetry
- Applied data analysis techniques to discover patterns and relationships in SDO/EVE datasets

EDUCATION

University of Waterloo

Master of Mathematics (Computer Science)

Waterloo, Ontario, CA
Sep 2010 – Oct 2012

University of Colorado

Bachelor of Science (Computer Science)

Boulder, Colorado, USA
Aug 2006 – May 2010