HENRY DAVIDGE

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EDUCATION

BS, Yale University, Computer Science   May 2014
  Cum Laude
  Honors in the major

EMPLOYMENT

Staff Software Engineer, Databricks   2018 - Present
  Founding member and technical lead of the Health and Life Sciences group.
  Primary developer of Glow project to extend Apache Spark SQL to support
  genomic analysis.

Tech Lead / Manager, Databricks   2016 - 2018
  Managed and provided technical leadership for an 8 person core infrastructure
  team. Maintained service SLAs while scaling 10x and adding support for
  Microsoft Azure cloud.

Software Engineer, Databricks   2014 - 2016
  Joined company as early hire. Worked on core components across software stack.

POSTERS / PRESENTATIONS

Poster Presentation, "Glow: Scalable Genomics with Apache Spark SQL," American
Society of Human Genetics, October 2019.

Poster Presentation, "A Unified Platform for Scalable Genomic Data Analysis,"
Biological Data Science, November 2018.

Presentation, "Scaling Genomics on Apache Spark 100x," Spark Summit Europe,
October 2018.

PROJECTS

Glow, Databricks   2019 - Present

- An open source toolkit for genomic data processing built on Apache Spark SQL
- Worked with Ion Stoica, Frank Nothaft, Kiavash Kianfar
- https://projectglow.io

Open Robo, Personal Project   2019 - Present
- Open source robo advisor (like Wealthfront or Betterment)
- Runs as a Chrome extension on Vanguard investment portfolios
- https://openrobo.app

Lumbergh: A Middleware Manager, Yale University   2014
- Senior Project with Richard Yang

3D Image Registration Toolkit,Yale University   2012
- Summer intern project with Hemant Tagare
- Designed and implemented software package

TEACHING EXPERIENCE

Yale University, Peer tutor for CS323   Fall 2013

Yale University, Peer tutor for CS223   Spring 2013

Yale University, Peer tutor for French 145   Fall 2012 - Spring 2013