

- LANGUAGES & SKILLS**
- › Java
 - › SQL (including Microsoft SQL Server and Postgres) and Hive
 - › Perl, Python
 - › HTML, CSS (including SASS), JavaScript (including jQuery)
 - › Very fast learner by example

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- WORK & PROJECTS**
- National Academic Quiz Tournaments, LLC** 2010 – present
Software Engineer, Webmaster, full-time 2013 – present
Logistics Director, Vice President of Marketing
- › Designed, developed, and maintained back-end (Java, SQL, Perl) and front-end systems (HTML/CSS, JSP, JavaScript including jQuery) for intranet and public websites, including applications for tournament registration and management, results processing and analysis, question writing/editing/management, marketing tools, and more
 - › Analyzed security of public website and intranet; implemented improvements based thereon
 - › Designed and built tools for reporting and workflow improvement
 - › Modernized technologies and processes
 - › Worked with users to provide rapid improvements and support to meet evolving needs
 - › Managed website redesign and other large projects over periods of weeks, months, and years
 - › Managed schedule, flights, documents, and other aspects of logistics for over 1,100 players and over 200 volunteers at three national championship tournaments
- Facebook, Inc.** 2012
Mobile Apps Analyst
- › Cross-functional role between analytics and product teams
 - › Created and applied tools and methods for analyzing data, primarily for Facebook's iOS app
 - › Used data to inform decisions about features, marketing, and resource allocation for iPhone, iPad, and other tablet development
 - › Designed and implemented ETL pipelines for diverse usage and marketplace data
- New Trier High School** 2015 – present
Substitute Teacher
- › Taught mathematics content, algebra through calculus, to students of diverse abilities
 - › Worked closely with teachers to develop lessons and plans so that students would become proficient even amid a disruption to their routine
 - › Frequently requested by teachers and students due to skill communicating difficult content
- Scobol Solo App** (github.com/jonahgreenthal/scobolsolo) 2010 – present
Software Developer and Designer
- › Designed and built custom software for question writers to compose questions, game officials to enter results, and players and coaches to view statistics in a unified interface
 - › Created feature that had never before appeared at any quizbowl tournament
 - › Continually refined app based on user feedback and usage data

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- EDUCATION**
- University of Chicago** 2009 – 2012
 B.S., Mathematics, The College and the Division of the Physical Sciences
- University of Illinois at Chicago** 2013 – 2014
 Master of Science in Mathematics Teaching
 Student teaching: Jones College Preparatory High School (Chicago), fall 2014