

# Matthew S. Kreutter

## OBJECTIVE

I am an efficient, solutions-oriented Teach for America alum with previous professional experience in software engineering. After two years in the classroom as a middle school math teacher, I am now seeking an opportunity to build out and implement innovative, engaging ed-tech tools that accelerate student growth and achievement.

## EDUCATION

2018 – 2020 **University of Missouri**, *M.Ed in Secondary Education Candidate* **St. Louis, MO**  
 Concurrently earned master's degree while teaching 5<sup>th</sup> – 8<sup>th</sup> grade math through Teach for America  
 2014 – 2018 **Washington University in St. Louis**, *B.S. in Computer Science, Minor in Entrepreneurship* **St. Louis, MO**  
 Dean's List • Intro CS TA and Tutor • LIVE Facilitator • Mens' Club Volleyball • Beta Theta Pi Executive Board

## EXPERIENCE

2018 – 2020 **Eagle College Preparatory School**, *Middle School Math Teacher, Teach for America* **St. Louis, MO**

- Prepared and taught 5<sup>th</sup> – 8<sup>th</sup> grade math while serving as the regional MS math department lead across four Eagle campuses in St. Louis
- Spearheaded transition to online learning during Covid-19 shutdown, managing my school's Google Classroom while creating and implementing new virtual curricula for all four grades
- Founded and coached girls' volleyball, boys' soccer, and a co-ed Mathlete team as well as elective classes on web development, music engineering, and philosophical debate

2017 **IMC Financial Markets**, *Software Engineering Intern* **Chicago, IL**

- Developed trades analysis tool in Java used to track missed trades and improve quoting strategy
- Wrote and benchmarked performant Spark to process terabytes of trades and market data daily

2016 **NISA Investment Advisors**, *IT Intern* **St. Louis, MO**

- Built out an OData service to parse data from a SQL Server view and display to a web endpoint
- Created proof-of-concept of an automated testing framework for proprietary web applications

2016 **Visa**, *Switching Systems and Network Processing Intern* **Austin, TX**

- Optimized use of proprietary standard library functions to reduce overhead, resulting in a 2.6% improvement in system performance that saved Visa \$1m over three years
- Constructed framework for a SoapUI plugin that allows users to test proprietary message types

2015 **Kizazi**, *Front-end Web Development Intern* **Houston, TX**

- Designed front-end of e-commerce website, Kizazi.com
- Enhanced on and off-page SEO through Google Analytics and long-tail keyword planning
- Conducted audience analysis, collecting and applying user data to increase traffic and retention

2014 **Frontier Utilities**, *IT Analyst Intern* **Houston, TX**

- Queried Frontier's database to provide in-depth reports on customer and company metrics
- Implemented SQL stored procedures to update and convert raw data into easily digested graphics

## SKILLS AND INTERESTS

**Skills** Proficient in Java • Working knowledge in C++, Spark/Hadoop, SQL, Python, Bash, PHP/Laravel, HTML/CSS, Git/SVN • Exposure to JavaScript/jQuery, zTPF Assembler, SISC Scheme, C#  
 Curriculum design and implementation • Google Classroom and CSFirst • Khan Academy • Zearn

**Interests** Conversational in Spanish • Lived, worked, and/or studied in 5 countries across 3 continents  
 Scuba Diving (OWD certified) • Powerlifting (1060lbs total, 326 Wilks) • Soccer • Volleyball  
 Videogames (created two of my own; Diamond 3 in League of Legends; Diamond 1 in TFT)