Matthew S. Kreutter

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EDUCATION:

Washington University in St. Louis, St. Louis, MO   *May 2018*

B.S. in Computer Science with a Minor in Entrepreneurship

GPA: 3.59/4.0 ▪ Dean's List ▪ National Merit Scholar Semifinalist ▪ AP Scholar with Distinction

SKILLS:

Software & Programming: Proficient in Java ▪ Working knowledge in C++, Spark, Hadoop, MySQL, Python, PHP, HTML, CSS, Bootstrap, Bash, Git, SVN ▪ Exposure to JavaScript, z/TPF Assembler, SISC Scheme, C#

Spoken Languages: Fluent in English, conversational in Spanish

RELEVANT COURSEWORK:

Computer Science: CSE I (Intro to Java) and II (Persistence, Concurrency, and Network Programming), Intro to Functional Programming, Intro to Operating Systems, Data Structures and Algorithms, Object-Oriented Software Development Laboratory, Rapid Prototype Development and Creative Programming, Cloud Computing with Big Data Applications, Collective Intelligence

Mathematics: Calculus I, II, and III, Matrix and Linear Algebra, Logic and Discrete Mathematics, Elementary to Intermediate Statistics and Data Analysis

WORK EXPERIENCE:

IMC Financial Markets, *Software Engineering Intern*   *June 2017 – August 2017*

- Architected trades analysis tool to improve quoting strategy on the Equity Options desk.

NISA Investment Advisors, *IT Intern*   *August 2016 – December 2016*

- Built out an OData service to parse data from a SQL Server view and display the data to a web endpoint
- Implemented proof-of-concept for an automated testing framework to routinely test proprietary web applications and log results

Visa, *Switching Systems & Network Processing Intern*   *May – August 2016*

- Developed new and updated old functionality on VisaNet, Visa's proprietary TPF system
- Optimized Visa standard library functions to reduce overhead, resulting in a 2.6% improvement in system performance that will save the company $1,000,000 over three years
- Created the framework for a plugin that allows users to test proprietary message types in SoapUI

Kizazi, *Web Developer*   *May – August 2015*

- Designed front end of e-commerce website, kizazi.com
- Optimized 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

Frontier Utilities, *IT Analyst Intern*   *June – August 2014*

- Queried Frontier's database to provide in-depth reports on customer and company activity
- Implemented stored procedures to update certain reports in real time, converting the raw data to easily digested graphics

LEADERSHIP, COMMUNITY, AND PEER ENGAGEMENT:

Computer Science TA and Tutor   *August 2015 – May 2016*

LIVE (Leaders in Interpersonal Violence Education) Facilitator   *2015 – Present*

Beta Theta Pi Fraternity Executive Board Member   *2014 – Present*

Washington University Men's Club Volleyball Team   *2014 – Present*