

# JEFF KRAUS

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New York, NY

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## EMPLOYMENT HISTORY

- Citadel** – Quantitative Developer (New York, NY) Sept 2017 – Present
- Built electronic trading and algorithmic execution software for interest rate and FX derivatives
  - Worked with distributed systems written primarily in C++14 & 17 (backend) and C# (frontend)
- Bloomberg LP** – Software Engineer (New York, NY) Aug 2016 – Sept 2017
- Developed software for Bloomberg Indices, specifically fixed income and commodity indices
  - Implemented distributed systems involving C, C++, JavaScript, Python, and Lua programs
- NASA Glenn Research Center** – Space Communications Intern (Cleveland, OH) June 2015 – Aug 2015
- Worked with NASA's Space Communications and Navigation (SCaN) program to build a capacity modeling system for existing and future space networks
  - Developed a custom software integration for satellite link metrics and network protocol modeling
  - Presented my team's research at the 2015 International Astronautical Congress in Jerusalem, Israel

## EDUCATION

- University of Kansas** – Lawrence, KS
- Computer Engineering (B.S.) and Mathematics (Minor) Cumulative GPA: 4.0
  - University Honors Program Graduation date: May 2016
  - Spring 2014: Studied abroad for one semester at the University of Strathclyde in Glasgow, Scotland, UK

<b>College Entrance Exams:</b>	<u>ACT</u>	<u>SAT (old scale)</u>	<u>SAT (new scale)</u>
	36	1600	2380

## TECHNICAL SKILLS

- Personal software projects** – Experienced with C, C++, C#, Java, JavaScript, Python, and Lua
- Automated trading: Designed cloud-based systems for automated stock and cryptocurrency trading
  - Back-end: Developed the cloud analytics services for a directional oil drilling startup in Houston, TX
  - Embedded systems: Built multiple GPS fleet tracking units with Arduino Unos and other components
- Cisco Certified Network Associate (CCNA)** – Completed Cisco's two-year program and passed certification test
- Understand routed/switched networks, WAN connections, and networking protocols (802.11, IPv6, etc.)

## OTHER EXPERIENCE

- Self Engineering Leadership Fellow** – Highly selective engineering fellowship focused on leadership and business
- Coordinated KU's High School Design Competition – Team Lead for Lego Mindstorms Coordinators
  - Planned and organized the 2013 SELF community service program, benefitting the KC Great Santa Run
- Engineers Without Borders** – Project Lead for Uganda Project
- Founded a water supply project in Kaliro, Uganda and completed two trips to implement our designs
  - Coordinated local events such as Trick or Treat So Others Can Eat, Christmas Shoeboxes, and Cheap Lunch



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