

Matthew Rastovac

<https://mattrasto.me>

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Academics

University of Illinois at Urbana-Champaign

Expected Graduation: Never

- › **Major:** Computer Science
- › **Focus:** Data Science, Data Visualization, Machine Learning, Complex Systems
- › **GPA:** 3.32 / 4.00
- › **Honors:** Dean's List Fall 2015 & Fall 2016, Phi Eta Sigma National Honor Society

Experience

Cameo, *Data Engineer*, Chicago, IL

Jan 2019 – Aug 2019

- › Designed and implemented core components of Cameo's infrastructure across their tech stack to prepare the platform for rapid growth
- › Developed distributed, fault-resistant, key-based caching system used for mining large data sources from the web and optimizing their storage

Facebook, *Software Engineer Intern*, Menlo Park, CA

May 2018 – Aug 2018

- › Integrated PIN verification to all Facebook payment systems, spanning 7 platforms and securing payments for over 800 million users
- › Designed and developed visualization platform for geographic realtime payments analysis

NASA, *Data Science Intern*, Cleveland, OH

May 2017 – Aug 2017

- › Determined correlations between physical rotorcraft component health and stress test results
- › Predicted gear health using LSTM neural networks and various statistical analyses on small datasets
- › Designed and built an extensible data analysis platform used by several research teams across NASA

Extracurriculars

Co-President, *Founders*

Dec 2017 – Present

- › Plan and implement the vision for UIUC's student entrepreneurship club during a pivotal restructuring, supporting over 3x growth in membership and budget, and 417% growth in student startup partners
- › Find and establish important relationships with corporate, institutional, and student partners

Treasurer, Co-Founder, *Studio*

Jun 2017 – Present

- › Treasurer of Studio, an organization focused on cultivating collaboration between student side-projects
- › Plan events, manage financial reports, and actualize group's vision for over 15 students

54 Co-Director, *Founders*

Jun 2017 – Sep 2017

- › Organized 54 (www.54.io), the university's largest startup weekend with over 100 yearly participants
- › Delegated and aided with responsibilities to 12 team members involving sponsors, logistics, and outreach

Personal Projects

- › **Phase:** an open-source framework for visualizing dynamic networks and complex system simulations
- › **WordBox:** an open-source Amazon Alexa skill for words with tens of thousands of monthly users
- › **Tabber:** an open-source chrome extension for bookmarking Facebook Messenger conversations

Technologies

Proficient

- › Python
- › Javascript (Web or Node.js)
- › MySQL
- › D3.js
- › React.js

Comfortable

- › MongoDB
- › Keras
- › C++
- › Stardog (Graph Database)
- › SPARQL