

Krish Suchak

CONTACT INFORMATION

Phone: (201) 893-6487
Email: suchak@uchicago.edu

LinkedIn: <https://linkedin.com/in/suchak1>
Github: <https://github.com/suchak1>

EDUCATION

University of Chicago, Chicago, IL

BS, Computer Science

Expected Graduation: **June 2020**

Received highest honors for senior thesis analyzing over 200,000 Chinese blog posts, algorithmically detecting mutations in the Chinese language in response to censorship. Completed coursework in abstract algebra, Galois theory, topology, real and complex analysis, probability theory, and linguistics.

PROFESSIONAL EXPERIENCE

Chicago Transit Authority, Chicago, IL

Data Science Intern

Sep 2019 – Apr 2020

- Created a dynamic, color-coded scatter plot of rail stations vs arrival times, so that color strength of points correspond to lateness of trains. Tools: JS/Python, plotly
- Corrected headway calculations for time between trains since database occasionally contains incorrect values. Tools: Python, pandas
- Generated automatic rail observations emails based on SQL query results (pandas).

Tools: Python + pandas, Javascript, SQL

Virtru, Washington, DC

Software Engineering Intern

Feb 2017 – present

A SaaS business intelligence product to help analysts enrich their customer data with geographic columns (latitudes/longitudes, ZIP codes, etc) and demographics. Processing is server-based but integrated with Microsoft Excel, Python, and the Domo platform: www.cairngeographics.com.

Google, Venice, CA

Software Engineer III

Jun 2014 – Mar 2016

Worked on a small team using natural language processing and other machine learning techniques to improve advertisement quality. Led a 20% project related to mining semantic information from web data, which was adopted by several teams across different product areas. Built a named entity recognition system in C++ and a link detection algorithm that runs on very large graphs; contributed to a topic model for clustering semantic entities.

Whisper, Venice, CA

Software Engineer and Data Scientist

Mar 2013 – Apr 2014

Sole data scientist at a rapidly expanding social media startup seeing upwards of three billion monthly pageviews. Designed and built an NLP service to extract topics and tags from posts, predict image searchterms from unstructured text, and target content to users. Implemented a new geographic search system using PostGIS that decreased search time by 90%. Worked closely with the front and backend development teams, writing production code in Erlang and Python.

PROGRAMMING EXPERIENCE

Languages: Python, Javascript / React, Bash, Java, Racket, C++, C, L^AT_EX

Data Technology: Cassandra, Redis, PostgreSQL, ElasticSearch/Lucene, MySQL, MongoDB