

Samuel Gorinsky

Software Engineer, Master's Candidate in Data Science



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EXPERIENCE

Capital One, Chicago, IL — *Senior Software Engineer*

JUN 2021 - PRESENT

- Leading team to rewrite core api that settles and processes virtual card transactions (Python, AWS (EC2, DynamoDB, Lambda, SQS, S3))

Foodboss, Chicago, IL — *Software Engineer*

OCT 2019 - JUN 2021

- Implemented mobile app test and production CI/CD pipelines. Saw faster, streamlined workflows and deployments (Docker, GitHub Actions)
- Built SSR and SSG web pages for optimized page loading. Increased web quality scores by 35% compared to rest of site's pages (React, Redux, Next.js, Node.js, Elasticsearch, Postgres)
- Created tutorial to welcome newly-registered users to mobile app. Collaborated with UI/UX and marketing teams to balance needs of stakeholders (React Native)
- Programmed indexer to parse HTML and validate partner data on site. Enhanced and improved location-based marketing campaigns (Python)

Revolut, Kraków, Poland — *IT Consultant*

DEC 2018 - MAY 2019

- Helped customers with app-related problems. Recorded oft-occurring issues and compiled reports of candidate bug locations in tech stack
- Advised product owners and developers in business onboarding flow. Aided cleanup of user registration bottlenecks

UN ESCAP, Bangkok, Thailand — *Consultant*

MAY 2017 - JUN 2018

- Designed and sent surveys to member states evaluating technical capacity. Cited survey in division's biannual publication
- Presented research to an expert group on disaster risk-related indicators. Contributed to region's policy guidelines

CUNY York College, Jamaica, NY — *Research Assistant*

MAY 2015 - AUG 2015

- Programmed waste disposal machines that sequestered energetic, radioactive particles from Fermilab's particle collider (Python)
- Assembled server that collected and plotted real-time local weather data (SciPy)

TECHNICAL SKILLS

Worked in: Python, Javascript

Familiar: Typescript, Java, Ruby, Scheme, Swift, Octave

EDUCATION

Northwestern University, Evanston, IL

SEPT 2018 - PRESENT

M.S. Data Science - 3.96/4.0 GPA

Part-time program in statistical foundations, modeling, and ML applications

Fullstack Open, Helsinki, Finland

MAY 2019 - SEPT 2019

Online course in modern web development covering React and Redux, Node.js and Express, Webpack, GraphQL, and HTML and CSS

Swarthmore College, Swarthmore, PA

MAY 2016

B.A. Philosophy, Minor in Physics

PERSONAL PROJECTS

Giver

- Social-networking app centered around simulating sending currency to friends in addition to other social-networking features like user profiles and wall posting (Typescript, React Native, Flask, Postgres)

Metacircular Evaluator

- For self-study, built interpreter in Scheme, a dialect of LISP, to run Scheme programs that recreate language's functional implementations of lambda calculus, closures and internal procedure definitions, lexical scoping, and other Scheme special forms (MIT-Scheme)

Knit

- Developed blog site that provides profiles, blogging, and feed for logged-in users to comment, like, and share (Python, Django)

Semantic Segmentation Classifier

- Trained convolutional neural networks to segment images by object (Python, NumPy, Pandas, Keras, Tensorflow)

Sentiment Analysis Model

- Trained RNN and LSTM models on Twitter corpus of ~1.5 million tweets as word vectorizations to predict text sentiment (Python, NumPy, Pandas, Keras, Tensorflow)

Object Detection iOS App

- Constructed iOS app that processes real time video feed to classify objects in frame (Swift)