JULIA MARTIN

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EDUCATION

Georgia Institute of Technology (Online, Part-Time)   Expected Graduation: 2024
M.S. in Computer Science
Wharton School of Business, University of Pennsylvania   May 2017
B.S. in Economics, Minor in French | Magna Cum Laude

EXPERIENCE

Waypost (https://waypost-io.github.io/)   Feb 2022 – May 2022
Co-Creator, Full-Stack Software Engineer   Remote
- Created Waypost, an open-source, self-hosted A/B testing and feature flagging platform (with React, Node, PostgreSQL)
- Wrote 2 data pipelines that aggregate and analyze experiment data, run statistical tests, and save results in database
- Built JavaScript SDKs (React and Node) that determine experiment treatment and update flag status in real-time via SSE
- Developed API endpoints and built React/Redux app to enable management of feature flags, A/B tests, and metrics
- Wrote unit tests and integration tests using Jest and Mock Service Workers for the React app and Redux reducers
- Load tested number of connections to the feature flag provider service to determine point where scaling is needed
- Designed schemas for relational database to handle storage of data in several tables
- Managed the design and CSS, creating user-friendly interfaces and visualizations of experiments' statistical data
- Made architectural decisions with cofounders, authored documentation, and co-wrote technical case study

Poindexter   Sep 2021 – Nov 2021
Software Engineer – Contract   Remote
- Developed frontend UI for MVP of new spreadsheet app, creating reusable React components and using Tailwind CSS
- Built basic prototypes to research and evaluate libraries to include, such as Handsontable and Apex Charts

Facebook   Jan 2021 – June 2021
Data Scientist   Seattle, WA
- Managed 20+ complex experiments for critical features on Marketplace that increased transaction volume, collaborating with software engineers to diagnose ambiguous experiment results
- Analyzed abusive buyer behavior, influencing the team to develop a returns feature that saved millions in costs

Yelp   July 2019 – Jan 2021
Senior Analyst, Business Operations & Strategy   San Francisco, CA
- Analyzed diverse and large-scale data using SQL (Amazon Redshift), Python, and Spark to help product managers and executives make strategic decisions. Areas included Ads, Search, Business Manager, Consumer Contributions, Marketing
- Optimized dashboard performance by building ETL data pipelines in Python that cleaned and aggregated large datasets

SOFTWARE ENGINEERING PROJECTS

Similart – Art Recommendation ML web app (Flask)   Oct 2021 – Nov 2021
- Built backend routes and frontend UI for an interactive machine learning recommender app, using Flask and Jinja
- Wrote Python script to fetch thousands of images from a public API, resize, and save pixel data into HDF5 format
- Created force-directed graph visualization using d3.js
HookTester – a RequestBin-like tool that creates URLs to test webhooks (MERN stack)   Feb 2022
- Built React frontend displaying webhook data, designed MongoDB database, and implemented URL generator
Wello – Trello clone (MERN stack)   Feb 2022

SKILLS

Programming languages: JavaScript, Python, Go, Ruby, Java, HTML, CSS
Frameworks and Libraries: React, Redux, Express, Node, Rails, Tailwind CSS, Jest, Flask, Apache Spark
Databases: SQL (PostgreSQL), MongoDB | *Other Tools*: AWS, Git, REST API's, Tableau, Microsoft Excel