FORD NEILD

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Education

Johns Hopkins University: B.S. Computer Science   April 2021 (Expected)
GPA: 3.2, Major GPA: 3.6, Minor in Applied Math and Statistics.
- **Technical**: Machine Learning, Distributed Systems, Databases, Networks, Data Structures, and Algorithms.
- **General**: Statistics, Linear Algebra, Multivariable Calculus, Entrepreneurship, and Public Speaking.

Experience

MemeHub.io, Founder, New York   February 2020 - Present
Social media platform aggregating memes from across the internet and serving them in a personalized feed.
- Led a startup by establishing a company vision, setting priorities, motivating the team, and engaging investors.
- Orchestrated a distributed system of six scalable services and a graph database using Docker Swarm.
- Automated Selenium scraping of Reddit and Instagram using Flask, Celery, and Redis for task scheduling.
- Secured Spring Boot REST API with stateless JWT authorization and role-based permissions.
- Created a real-time recommendation engine by combining collaborative-filtering and content-based features.
- Implemented an online generative adversarial network tasked with maximizing user engagement.

Komodo Health, Full-Stack Engineer Intern, San Francisco   May 2020 - August 2020
Andreesen Horowitz and ICONIQ funded digital-health SaaS company using data to relieve the global burden of disease.
- Deployed an internal tool using React and Flask to reduce client onboarding time from two weeks to minutes.
- Developed a Pytest suite for the API, including unit, functional, integration, authorization, and stress testing.
- Increased API maintainability by integrating SwaggerUI to document valid requests, and expected responses.
- Upgraded 42K+ lines of code from Python 2.7 to 3.6 and migrated to a secure password encryption scheme.

Way2B1, Full-Stack Developer, Chicago   May 2019 - August 2019, January 2020
Google founder backed fintech SaaS company simplifying private wealth management and family office administration.
- Launched a new public React website to serve as the first point of contact with prospective customers.
- Created a CMS with Firebase to empower the marketing team to update the site's text, images, and layout.
- Integrated the Google Hire API to create a dynamic careers page with a seamless application process.
- Built a "recently visited" tab for the flagship SaaS product, which became the second most used feature.
- Leveraged web socket services to build real-time group messaging, notifications, and activity feeds.

ForagerOne, Full-Stack Developer, Baltimore   October 2018 - May 2019
JHU backed startup building a web platform to help undergraduates attain research positions at university labs.
- Boosted user onboarding retention by simplifying the sign-up flow using Angular and Bootstrap.
- Implemented grad student users as faculty proxies, yielding a 200% increase in student application responses.

WebDev Inc., Back-End Engineer Intern, Mumbai, India   January 2019
Offshore boutique firm producing low-cost custom wealth management solutions for several multi-family offices.
- Designed and implemented a relational database with MS SQL Server to manage financial transactions.
- Implemented stored procedures to calculate gains/losses and time-weighted returns.
- Built a web application with authentication, CRUD operations, and search using .NET, C#, and T-SQL.

The Atlantic Re:think, Front-End Developer Intern, New York   May 2018 - August 2018
Division of leading multi-platform media company crafting innovative webpages to showcase sponsored content.
- Developed interactive multimedia SPAs with HTML5, CSS3, and jQuery for clients such as Netflix and PBS.
- Collaborated with designers to turn their prototype compositions into responsive web apps.

Technical Skills

Languages: JavaScript, Python, Java, Bash, C, C++, HTML, Sass	**Infrastructure:** Docker, Kubernetes, Jenkins, Git
Frontend: React, MobX, Sass, MaterialUI, jQuery, Nginx	**Testing:** Postman, Pytest, Swagger, Loggly, JUnit
Backend: SpringBoot, Flask, Express, Node, Redis, Celery	**Cloud:** AWS Lambda, EKS, EC2, S3, SQS, DigitalOcean
Databases: Postgres, Neo4j, MongoDB, MariaDB	**Data Science:** TensorFlow, PyTorch, Spring Data