

Maggie Liu

Software Engineer

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EXPERIENCE

Meural @ NETGEAR

Software Engineer

New York

SEPTEMBER 2017 - MAY 2023

- Full-stack lead of my.meural.netgear.com web (Next.js) and RESTful APIs (Django) consumed by web/iOS/Android
- Led the accounts and payments dev integration between Meural and NETGEAR post acquisition in 2018
- Collaborated with DevOps team to maintain a stable production environment for tens of thousands of users with AWS and Docker infrastructure, along with automatic CI/CD using CircleCI
- Increased sales/revenue via a marketplace for subscriptions (>70% retention rate) and artworks available for purchase in 30+ international countries
- Collaborated on the IoT system between the canvas hardware and the cloud, the canvas software (UI and backend) and worked on firmware packaging
- Optimized DB queries and utilized caching to increase scalability and minimize request times for an improved UX
- Built and maintained internal tools: 1) CMS web app for our curators to be able to categorize, tag and manage 10000+ artwork collections 2) Support web app for our support team to view data and perform necessary actions to resolve customer issues
- Implemented E2E flow of NFT wallet integration feature on both web and iOS app to retrieve NFTs via third party APIs to display on the canvas
- Built payments and order system integration with Stripe and Shopify, respectively, to increase revenue/sales
- Implemented asynchronous job queue with Celery to schedule future tasks in the background
- Onboarded new team members, reviewed code daily and collaborated with UX designers using Figma
- Supported weekly customer support tickets
- Collaborated with content and marketing team for artwork launches by region and implemented content geo-restriction by IP address

SKILLS

Python, Django, Django Rest Framework, JavaScript, React.js, Redux, Next.js, Ruby, Rails, SQL, Docker, Elasticsearch, RabbitMQ, Celery, AWS, ECS, EC2, CakePHP, Jest, Enzyme, RSpec, Git, HTML, CSS, Segment, Sentry, Mixpanel, Stripe, Shopify, Airship, AppDynamics, Jira, Agile, Scrum, Kanban

PROJECTS

Instapups (Rails, PostgreSQL, React.js/Redux)

[Live](#) | [Github](#)

A single-page social media app inspired by Instagram for sharing photos of puppies

- Utilized Rails RESTful routes for CRUD operations on images, users, likes, comments
- Implemented infinite scroll of images (stored using AWS S3 and Paperclip) by updating React components in real time via AJAX requests for more images when the bottom of the page is reached
- Created Rails polymorphic associations for likes, comments, and follows and minimized database queries by preloading the associated data to increase scalability

Color Swap (JavaScript, HTML5 Canvas)

[Live](#) | [Github](#)

A browser game inspired by Color Switch

- Calculated points of collision between circles and rotating shapes at different angles
- Utilized HTML5 for smooth animation of the rotating obstacles and collision detection
- Incorporated Object Oriented Programming with seamless UX design where the player moves with gravity on event listeners and obstacles shift relative to the player

jCurry (JavaScript)

[Live](#) | [Github](#)

A library that assists in native DOM manipulation inspired by jQuery

- Developed methods for traversing the DOM to increase the ease of navigating through the DOM, creating AJAX requests and handling events
- Built the classic game of Snake using this library by creating a grid on the DOM and changing the snake's position through class updates

EDUCATION

App Academy - 12 week full stack web dev bootcamp with < 5% acceptance rate

MAY 2017

- Topics: Rails, JS, SQL, React, TDD, scalability, algorithms, OOP, single-page apps

Carnegie Mellon University - BS in Biological Sciences and Psychology

MAY 2016 • GPA: 3.82

- Courses: Principles of Computing (Ruby), Fundamentals of Programming (Python)