Brooklyn, NY
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Vincent Arlou
Software Engineer

github.com/vinclou

TECHNICAL SKILLS:

Strong: JavaScript (ES6+), TypeScript, Java, C++, React, React Hooks, NodeJs/ExpressJs, XMPP, WebSockets, SQL(MYSQL, PostgreSQL), NoSQL (MongoDB), OAuth, REST API, Version Control (Git), HTML5, CSS3, Babel, CSS/SASS, ChakraUI, MaterialUI, Storybook

Experienced: Kubernetes, Docker, D3Js, ThreeJS, TDD(Mocha/Jest/Enzyme), Gulp, Java Spark, Hibernate, Redux, Python, jQuery, Webpack, React Native, ElectronJS, GraphQL, WASM, Figma, WordPress, Photoshop/Illustrator

Experience

YianYian, LLC | Software Engineer, Remote   2021 - forward
- Leveraged ReactJs component based architecture to reduce development and maintenance time with reusable code
- Migrated a codebase from Create-React-App to NextJs
- Designed and build global state management in React with hooks, utilizing native api to avoid redux
- Utilized Docker to containerize a React application, NodeJs server and PostgreSQL database for rapid mock deployments on a local Kubernetes cluster with Minikube to visualize and test various pod states while reducing system overhead
- Built a web-scrapper that gathers data from Craigslist, Google, Zillow using NodeJs
- Built an api wrapper using NodeJs to automate searches made by the company about the USPTO patent filings

Research Foundation CUNY | Research Assistant   2019 - 2020
- Built a web based speech recognition game for research in human speech intelligibility under presence of noise by employing crowdsourcing techniques to gather user inputs to train ASR models with a focus on human-important cues
- Leveraged an embedded Jetty server to build as an API with static Java Spark methods to configure endpoints utilizing various controllers responsible for setting up game configurations, updating user information, and uploading static assets
- Utilized EaselJS's retained graphics mode to layer blurs over clear spectrograms using its built-in blur filters for display on an HTML5 Canvas, leveraging stage event listeners to build an elliptical cursor which can be used to reveal speech
- Designed MySQL tables to normalize and persist audio task data using composite keys to reduce data redundancy
- Leveraged a SessionFactory to instantiate a Hibernate session to create SQL statements for persistent classes configured with automatic key generation for dynamic table entries, and utilized transaction management for data consistency
- Built an administrative interface that authorizes admin accounts with AWS SDK functionality for file uploads to S3

Appen | Web/Media Evaluator Remote   2017 - 2018
- Write reviews on user searches, analyze ad metrics, tell if ads are effective or not, provide data for AI systems to train on

Turkish Kitchen | Waiter - **Chinar Restaurant** | Manager   2016 - 2019
- Customer service / Billing / Hiring / Bookkeeping

Sound Plus Entertainment | Media Producer   2014 - 2016
- Working with media editing software, including FinalCut Pro, Ableton, Aperture, Photoshop and Motion
- Managing website and marketing materials in WordPress

Projects

Pure | Browser Extension for managing opened tabs   2018 Hackathon 3rd place
- Utilized JavaScript native tabs API to build a cross-browser extension for managing opened tabs

Personal Blog | My personal blog that is being built with NextJs and ChakraUI / deployed with Vercel
- Currently working on my personal site, as a way to establish presence on the web

Other | Various things I've done in the college
- Trained a recurrent neural network on midi data to produce music in python
- Wrote an arcade game using Unity and C#
- Bulldog Buckets - built a django-react-postgres full-stack reddit like blog site for BC college students with a team of 10 other students

Education

Brooklyn College, CUNY | **B.S. Computer Science / Multimedia Computing**   2016 - 2020
- Dean's List for 6 semesters

Franklin D. Roosevelt HS - Advanced Math Diploma, Brooklyn, NY,   2016

Certifications: Epic React by Kent. D. Dodds

Interests

Writing poetry, performing music with friends, riding my stolen bike, spontaneous travel, listening to philosophize this! and other podcasts, spending time with my little brother, tennis & soccer

Languages

- Fluent in English and Russian