Rickey Guo

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Education

University of Virginia • Charlottesville, Virginia • May 2021
- **B.S. Computer Science** • School of Engineering and Applied Science
- Relevant Coursework: Digital Logic Design, Program and Data Representation, Algorithms, Computer Architecture, Operating Systems, Computer Vision, Database Systems, Cloud Computing, Human-Computer Interface Design

Skills
- Frontend & UI: React.js, Next.js, Gatsby.js, JavaScript, TypeScript, HTML, CSS, Tailwind CSS, Figma
- Backend & Platforms: Node.js, Sanity, Python, C++, AWS, Digital Ocean, Netlify, Arch Linux, Ubuntu

Project Experience

FedEx Scraper • Proof of Delivery Downloader • https://github.com/rickeyguo/fedex-scraper
- Replaced ~90 hours of repetitive clicking and eliminated errors for Autel Robotics accounting team's auditing process
- Downloaded ~5000 Proof of Delivery documents from FedEx website based on given tracking numbers
- Used Puppeteer and Node.js to simulate mouse and keyboard inputs on the webpage before saving the PDF locally

Drone Depot • E-commerce Drone Web Store • https://drone-depot.vercel.app
- Built using Next.js with React Context for global state management across components like Product, Cart etc.
- Utilized Sanity to store product details and manage content models on the backend
- Integrated with Stripe to enable shopping cart checkout with payment and shipping functionalities

Streamify • Web Music Streaming Player • https://streamify-rguo.netlify.app
- Created in React.js and styled using Tailwind CSS to be mobile-friendly
- Integrated with Shazam Core APIs to search, filter, and stream millions of songs across 14 genres
- Implemented and reused functional components like Song Card, Top Chart, Top Artist, Artist Details, and Search

RGswap • Decentralized Cryptocurrency Exchange • https://rgswap.netlify.app
- Used React.js, Tailwind, and Ethers.js to implement the Exchange, AmountIn/AmountOut, and Balance components
- Created factory/router smart contracts in CRANQ using Uniswap V2 protocol before deploying to Goerli testnet
- Connected the frontend with deployed smart contracts using web3.js and integrated with MetaMask using usedDapp
- Tested by minting two ERC-20 tokens and creating a liquidity pool before swapping the tokens (Etherscan Link)

Work Experience

Autel Robotics System Engineer • Seattle, Washington • Aug 2021 - April 2022
- Developed and optimized backend production software to boost shipping productivity
  - Automated EDI sales order import between TrueCommerce Foundry, Fishbowl, and ShipStation using PowerShell
  - Designed warehouse scanning workflows with Honeywell PDAs and resolved network issues with IT team
  - Streamlined purchase order logistics between Shenzhen factory and Seattle warehouse to minimize idle inventory
- Spearheaded the overhaul of company ERP system to SAP S/4HANA
  - Became subject expert on SAP before training 30+ non-technical employees across 4 teams
  - Standardized and documented new after-sales best practices by shadowing repair and customer service teams
  - Coordinated with sales team to process sales orders and RMA returns for dealer customers
  - Collaborated with accounting team on auditing, order approvals, and SKU data management
- Led SAP integration projects to replace legacy systems
  - Negotiated contracts with teams from Elemica and Jitterbit in addition to managing project timeline/cost
  - Repaired ECS shipping integration with Elemica engineers for both Seattle and NY installations
  - Developed Shopify integration with Jitterbit consultants to automate e-commerce sales order import

Robertson Media Center Consultant • Charlottesville, Virginia • Sep 2018 - Jul 2021
- Served as a lead consultant at university library and hosted weekly training sessions on 3D printing
- Coached video/podcast projects with multimedia software and equipment in addition to maintaining VR/AR stations

McIntire Help Desk Technician • Charlottesville, Virginia • Aug 2018 - May 2021
- Worked at school help desk and fixed computer hardware/software issues for McIntire faculty, staff, and students