John Cuviello

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EDUCATION

University of California Irvine — Irvine, CA
Bachelor of Science in Computer Science — *2022*

EXPERIENCE

Software Engineer Capstone — Spring 2022 – Summer 2022
Knowde — *Irvine, CA*

- Developed full-stack application using **React** and **Flask** to automate data extraction from PDF documents
- Utilized **numPy** and **pandas** to prepare tabular data for insertion into **MongoDB** database
- Automated manual parsing of data from 200+ documents weekly and reduced processing time by 83%
- Attained steady and accurate progress using **Agile** development with **Jira**, and regression testing
- Communicated frequently with the CTO and chemical engineering team to discuss development

Team Member — Spring 2019 – Summer 2021
Chipotle — *Westminster, CA*

- Amplified throughput on the cash register and food line in a fast-paced team environment
- Provided exemplary service to over 150 customers per shift

PROJECTS

Cooldown: Full-stack Journaling App | *React, JavaScript, Node, Express, HTML, CSS*

- Constructed a responsive front-end to display journal entries using **React** and **Tailwind CSS**
- Developed a back-end REST API with **Node**, **Express**, and **MongoDB Atlas**
- Authenticated users via JSON web tokens, password hashing, and protected **React Router** client-side routes
- Consumed external API to populate images and titles based on user search results
- Applied end-to-end, integration, and unit testing with **Cypress** and **Jest**

Jeanie: Full-stack E-commerce Website | *React, TypeScript, NextJS, Stripe, Firebase, HTML, CSS*

- Crafted an appealing front-end to navigate, filter, and sort products with **React** and **Tailwind CSS**
- Utilized **NextJS** for data fetching, routing, and server-side rendering for improved performance and SEO
- Stored data for 100+ products and images using **Firestore** and **Firebase Cloud Storage**
- Processed user purchases and customer data securely using the **Stripe** API

Bapple: Search Engine | *Python, Flask, JavaScript, HTML, CSS*

- Created web crawler and search engine for thousands of UCI web pages as a team of four
- Accelerated queries with an inverted index consisting of tokenized, stemmed, and weighted text
- Optimized result precision via tf-idf scores and html tag processing
- Achieved accurate search results with a query time under 300 milliseconds

TECHNICAL SKILLS

Languages: Python, JavaScript, TypeScript, Java, SQL, HTML, CSS
Frameworks: React, Node, Express, Jest, Flask, NextJS
Developer Tools: Git, MySQL, MongoDB, Linux
Libraries: Bootstrap, Sass, pandas, NumPy