

Jack Zheng

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EDUCATION

University of Florida

B.S. Computer Science – GPA: 3.97/4.00

- Relevant coursework: Programming Fundamentals 1, Programming Fundamentals 2, Discrete Structures, Data Structures and Algorithms, Intro to Computer Organization, Computational Linear Algebra, Intro to Software Engineering, Information and Database Systems, Operating Systems, Enterprise Security

EXPERIENCE

Software Engineering Intern – Capital One

June 2021 – August 2021

- Worked as a part of EP2 Tech on a new subscriptions manager tool for the messaging services division
- Wrote custom backend in Node.js for communication with internal APIs and a function to filter results
- Helped deploy tool to production through their proprietary OnePipeline platform, which utilizes Jenkins and AWS, using internal and external tools for unit, performance, and integration/end-to-end tests with API mocking

Software Engineering Intern – Laundr LLC

January 2020 - Present

- Implemented features using ASP.NET, C#, Xamarin Forms, and MySQL, that appeared in the legacy Laundr application on iOS and Android platforms to service users that want their laundry done on-demand
- Solely responsible for the development of the new web, iOS, and Android application (see Projects)

Undergraduate Teaching Assistant – University of Florida CISE Department

January 2020 – December 2021

- Courses: CEN3031 (Intro to Software Engineering) and COP3503 (Programming Fundamentals 2)
- Instruct on programming concepts, C++, the MERN stack, and software development
- Lead weekly labs, lessons, and office hours as well as produce instructional videos

Undergraduate Research Assistant – Dr. Zhihui Fang, UF College of Education

August 2018 – May 2020

- Assist in analyzing K-12 student's informational writing for nominal complexity under professional supervision alongside graduate students in a team-oriented environment
- Perform data collection, analysis, management, and research paper synthesis for conference presentation

PROJECTS

Laundr

- Web, iOS, and Android application for Laundr that allows users to place orders, purchase subscriptions, and track their order. Also lets drivers and washers handle orders. Made with React, Next.js, Capacitor, Stripe API, Express.js, MongoDB, and Node.js. Integrated with the DoorDash Drive API for delivery services. Deployed with Vercel and AWS Elastic Beanstalk – available online and through the Google Play Store or Apple App Store.

Eat Me

- Mobile application that allows users to group together and decide on a place to eat through an individual swipe-and-match experience; it's made with Expo, React Native, Express.js, MongoDB, and Node.js.

SnapScan

- Mobile application made for SwampHacks VI that allows users to track expenses in various categories and view thorough analyses by scanning receipts and extracting item and price data; it was made with React Native, Node.js, Python, Google Cloud Vision API, Google Cloud Storage, and Google Cloud Functions.

Gonzalo Law Client Portal

- Web portal for Gonzalo Law clients to register, login, make payments, and view their projects, files, progress, and calendar. Also allows admins to configure and update each client's projects and calendar; it was made with React, Express.js, MongoDB, and Node.js. Deployed with Heroku.

SKILLS & ACHIEVEMENTS

- Java, JavaScript, C++, C#, SQL, React, React Native, Xamarin Forms, HTML, CSS, SFML, Redux, Node.js, Express.js, MongoDB, Gatsby.js, Next.js, Cypress.io, Expo, Git, Heroku, Netlify, Vercel, Stripe API, DoorDash Drive API, AWS, Agile/Scrum methodology, SEO
- Co-author of *Nominal Complexities in School Children's Informational Writing* (JEAP_2020_298)