

Daisy Liu

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Education **Master of Computer and Information Technology** **University of Pennsylvania** **Jan. 2020 - Jan. 2021**
Bachelor of Science (Psychology) **University of Maryland** **Sept. 2011 - June 2014**

Technical Skill Languages: JavaScript (Node.js/Express.js), Python, Java
Technologies: React, Flutter, Redux, TypeScript, Bootstrap, jQuery, HTML, CSS , Git, AWS, GraphQL, MySQL, MongoDB
Design Tools: Sketch, Adobe Illustrator , Photoshop , InDesign

Experience **FullStack Developer** **Xaxis** **July 2017 - August 2020**

- Created and developed dynamic and responsive websites and mobile applications for different clients in the New York region using React Framework, Html, and javascript. Clients included Lululemon, Nike, Peloton.
- Maintained and added new features (content validation, social media interaction, Google OAuth, content display, user profile management features, etc.)for clients' websites according to their requirements.
- Developed a new content validation feature for the third-party developer service platform to prevent inappropriate content from reaching customers, deployed to production, and improved customer satisfaction.
- Worked closely across different departments: Product, Marketing, Customer Success, Engineering to rapidly ideate and produce multiple UX/UI concepts, clickable prototypes, A/B tests, validating web or mobile app interfaces, or any related design tasks.
- Performed all functions of the product design lifecycle, including research, concepts, wireframes, prototypes, pixel-perfect UI, documentation, and testing.
- Added new APIs to developer experience (DX) and customer experience (CX) platform services in Java, utilized various AWS technologies, i.e. DynamoDB, SNS, SQS, etc.

Associate Designer **Elie Tahari** **Feb 2015 - April 2016**

- Work with Private label clients like Kohl's and Costco for new season collection, develop color concept, prints, CADs, tech packs, hangtags.
- Utilized Adobe Creative Suite to develop prints, tech-packs, CADs as well as presentation board.

Projects **Yelp Camp Web Application**

- Developed the application based on MEAN stack (MongoDB, Express, AngularJS, and NodeJS) in a team
- Implemented functionalities including searching listing by title, author, most commented and best/ worst-rated with a combination of MySQL and MongoDB queries, integrating user registration and login, integrated with Google OAuth, and user profile management, and implementing listing and comments info display, etc.
- Preprocessed and cleaned data, built and populated relational database on AWS RDS and non-relational database MongoDB on Atlas.
- Integrated webpage with social media such as Twitter livestream and post, hosted app on AWS EC2 instance

Mr./Mrs. Dating App

- Mr./Mrs. is a multi-screen dating application that enables users to manage personal profiles and find matching date according to nearest locations with features like like, video /text chatting, comment, and more
- Implemented multiple activities to display different screens with various functionalities and interactions
- Integrated with Google Firebase database for backend data storage, update and maintenance

Assorted Artificial Intelligence and Machine Learning Course mini-projects

- Implemented a spam filter using Naïve Bayes Classification with 97% accuracy, then improved to 99.5% accuracy with various features including bigrams, capitalization, digit, punctuation, token length, header, etc.
- Built a language model to generate random text that resembles the source text file using Markov Model
- Developed a part-of-speech tagger using Hidden Markov Model (HMM), then computed probabilities of observations using forward, backward algorithms, and improved HMM parameters with learning algorithm
- Implemented two varieties of standard perceptrons: binary classifier and multiclass classifier