Danny Lin

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Education

University of North Carolina at Chapel Hill — Degree Expected: May 2023

- B.S. Computer Science | GPA: 3.6
- Relevant Coursework: Foundations of Programming, Data Structures and Analysis, Computer Organization, Modern Web Programming, Models of Languages and Computation

Skills

Languages: JavaScript, Java, Python, C, HTML, CSS, TypeScript
Frameworks: React.js, Express.js, Bootstrap
Databases: MySQL, MongoDB

Experience

Software Engineer Intern — May – July 2021
XQE, LLC | Chapel Hill, NC

- Collaborated with a team to design and build a prototype device interface using React.js
- Developed the controls and event handlers for the interface as React components
- Worked with team to design and build responsive web layouts using CSS media queries

Web Developer — Sep. 2020 – May 2021
UNC Chapel Hill Web Dev Carolina
[Project: CYC Essays Tutoring] – React.js, Bootstrap, Firebase

- Worked with a project group to create a website for a writing consulting business, partnering with student-run nonprofit, Consult Your Community
- Implemented online payment system using PayPal API and integrated PayPal smart payment button
- Retrieved data from Firestore database to display monthly events to users through React Calendar

Projects

MyK-Drama - React.js, Express.js, Node.js, MySQL — github.com/dl805387/myKdrama

- Full stack website where users can look for K-dramas and keep track of K-dramas that they have watched or will watch later
- Displays the current popular K-dramas using The Movie Database API's TV Discover
- Users can search for over 1,000 K-dramas
- Each drama can be viewed to obtain more detailed information such as the synopsis and a list of recommended K-dramas
- Implemented user login authentication with firebase
- User account and its associated K-dramas are stored in a MySQL database

mykdrama.netlify.app

Encryptor - Python, Pandas, Tkinter — github.com/dl805387/encryptor

- Program that allows the user to encrypt and decrypt passwords/messages
- Encryption is done using a combination of UTF-8 character encoding and Caesar cipher
- Pandas is used to read the encryption key csv file and for UTF-8 character-byte mapping
- Graphical user interface is built using the Tkinter library