Yunfeng Li

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Availability: 2021 Fall Semester, 2022 Spring, Summer Semesters

EDUCATION

Northeastern University   San Jose, CA
Candidate of M.S. Computer Science, GPA: 4.00/4.00   *Sep. 2020 – Expected Dec. 2022*

University of Maryland   College Park, MD
M.S. in Chemistry, GPA: 3.84/4.00   *Aug. 2016 – May 2020*

TECHNICAL SKILLS

Programming Languages: Java, Python, C/C++, JavaScript, HTML, CSS
Web/Mobile Application Development: React, React Native, Node.js, Express, MongoDB, MySQL, Firebase

PROJECTS

UltimateSquadBuilder | Northeastern University Team Project | *MySQL, JDBC, JSP*   May 2021 - Aug. 2021
- Developed a team-building strategy platform which provides optimal suggestions based on customer preference.
- Designed information filters and enabled precise and responsive player information retrieval functionality.
- Applied MySQL database to manage and query information of more than 20000 players and 800 teams.
- Interacted with MySQL using JDBC and implemented data access objects to achieve CRUD operations.
- Built the application backend using Tomcat web server and JAVA servlets controller.
- Implemented dynamic client interface with JAVA server pages(JSP).

GoTennis | Northeastern University Team Project | *React, React Native, Firebase*   Feb. 2021 - May 2021
- Developed a Native mobile application for tennis court searching and reservations in a team of 3.
- Served more than 50 users simultaneously and achieved 100% accuracy managing more than 800 reservations.
- Implemented multi-page client interface with React Native and React Native Paper.
- Designed authentication and authorization systems for both administrators and customers.
- Built a multi-filter system and enabled responsive court recommendation based on customers' preference.
- Achieved basic reservation CRUD functionalities and enabled real-time availability check.
- Applied Firebase real-time database to manage user and court information.

Dev-Connector | Personal Project | *React, Redux, Node.js, Express, MongoDB, JWT*   Feb. 2021 - Apr. 2021
- Developed a social network app for developers to share their portfolios and attracted more than 30 users.
- Built an extensive backend API with Node.js, Express and implemented client interface using React.
- Applied Mongo Atlas cloud databases to manage portfolios of 30 users, more than 200 posts and comments.
- Incorporated Redux for app state management
- Protected routes/endpoints with JSON Web Tokens.

Yelp-Camp | Personal Project | *EJS, BootStrap, Node.js, Express, MongoDB*   Nov. 2020 - Feb. 2021
- Developed a full-stack blog application for camping-lovers to share campground information.
- Implemented RESTful APIs with Node.js, Express, and designed client interface with EJS and Bootstrap.
- Achieved basic signup/login/logout flow using Bcrypt and Passport for authentication and authorization purposes.
- Applied Mongo Atlas cloud databases to store information of more than 100 users and 500 campgrounds.
- Incorporated map-display and geocoding functionalities using MapBox.

WORK EXPERIENCE

Research Assistant, Project Lead   Jun. 2018 – May 2020
Nano-tech Lab, University of Maryland   *College Park, MD*

- Published two first-author scientific papers in academic journals (Impact Factors: 10.1).
- Presented research report to 500 audiences and won the first award in the 235th ECS Conference poster session.

Teaching Assistant   Aug. 2016 – Jun. 2018
University of Maryland   *College Park, MD*

- Assisted three instructors in designing and organizing lab sessions in four core courses.
- Led discussion sessions in a class with 50 students and obtained 5-star rating in the final evaluation.