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| 6509 N. Newgard Ave.  Apt. 3  Chicago, IL 60626 | **Trey Roche** | | (847) 899-7187  roche.trey@gmail.com |
| **Work Experience** | | | |
| **Software Engineer, Intern** | **Oracle** | | Summer 2019 |
| Textura Payment Management   * Automated simple tasks for users by integrating digital assistant features into the frontend. * Implemented AJAX requests to access data with minimal user input in a text channel. * Designed conversation flow in markup to preserve the state of a user’s interaction with the application. * Assisted new software engineers with building and configuring development environments. * Leveraged knowledge with Vim, Linux, Python, jQuery, Flask, JavaScript, Grunt, and PyPi. | | | |
| **Freelance Website Developer** | Self-Employed | | Summer 2019 – Summer 2020 |
| * Designed lightweight, responsive informational sites for small businesses and organizations. * Added features based on website requirements including contact forms and analytics. * Made styling changes to give sites a modern, updated look. * Leveraged knowledge in HTML5, CSS, Bootstrap, JavaScript, PHP, and Google Analytics. | | | |
| **Service Desk Technician** | **Loyola University Chicago** | | **Winter 2019 – May 2021** |
| * Supporting Loyola faculty, staff, students, and alumni with technical issues and service requests. * Compiling important changes and updates in policy or technology for weekly announcements. * Training new student workers and evaluating their work for quality assurance. * Leveraging knowledge in active directory, ticketing, web applications, 2-step verification, and networking. | | | |
| **Education** | | | |
| **Chicago, IL** | **Loyola University Chicago** | | **Fall 2018 – May 2021** |
| * B.S. in Computer Science, graduating in May 2021. GPA: 3.75 * Relevant Coursework: Data Structures, Algorithms, Client-Sided Web Development, Databases, Operating Systems, Distributed Systems, Intermediate Object-Oriented Programming * Undergraduate researcher and project leader at Loyola Software and Systems Laboratory | | | |
| **Languages and Technologies** | | | |
| **Languages and Frameworks** | | | |
| 4 years experience  Python, HTML5 & CSS, Java | 3 years experience:  JavaScript, jQuery, PHP, MySQL | 2 years experience:  React, Node.js, Express, MongoDB | |
| **Tools and Technologies** | | | |
| * Git, Linux, Heroku, Grunt, virtual environments, npm, pip   **Software Development Projects** | | | |
| * **Nutritional Calculator:** Full-stack web application for users to log their daily food intake and weight. Users can track their logs and weight progression with their account via OAuth sign in. Built with the Nutritionix API, Node.js, Express.js, MongoDB, jQuery, JavaScript, HTML5, CSS, and Heroku. * **Poll System:** Full-stack web application for users to vote or run for office in elections. Refactored from a sample PHP project with HTML & CSS, JavaScript, jQuery, PHP & MySQL, and Heroku. * **Minesweeper:** Client-sided Minesweeper game run in the browser. Built in a day with PHP, JavaScript, HTML, and CSS. | | | |
| **Additional Experience and Awards** | | | |
| * Loyola University Chicago Dean’s list, all semesters (Fall 2018 – May 2020) | | | |