**Khoa Nguyen**

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**EDUCATION TECHNICAL SKILLS**

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| **University of California, Irvine**  Bachelor of Science in Computer Science  *Aug. 2017 – Mar. 2020* |GPA: 3.26  **De Anza College**  Major in Computer Information Science  *Aug. 2014 – May 2017* | **Proficient:** Python, RESTful, Git, Bootstrap, Angular.  **Intermediate:** C/C++, Java, JavaScript, TypeScript, MongoDB, MySQL.  **Novice:** Express/Node, AWS E2, Tomcat, React. |

**TECHNICAL PROJECTS**

**Spotify API Web Browser -** [**https://us-spotify-browser.herokuapp.com**](https://us-spotify-browser.herokuapp.com)

* Primarily a front-end / user interface project, incorporating Spotify API.
* Developed using Node.js, Express, Angular, Bootstrap, and Spotify API.
* Designed an aesthetic landing pages that engage and attract new users.
* Maintain scalable Angular front-end components for seamless interactions vary from mobile to desktop.

**German Football Data Analyzer -** [**https://german-futball.herokuapp.com**](https://german-futball.herokuapp.com)

* Back-end project that parse, calculate, and display analytical data.
* Developed by Angular, MongoDB, Material UI, Node/Express.
* Created Node RESTful API’s and JSON objects from raw analytical data.
* Engineered scalable and modern Angular front-end components for team data analytics.

**E-commercial Movies Website - github:** [**https://bit.ly/34wHmGK**](https://bit.ly/34wHmGK)

* Full-stack development e-commercial website that allows users can browse, search, and checkout movie.
* Developed using HTML, CSS, JavaServlet, jQuery, MySQL, and AWS EC2.
* Created and implemented several SQL queries / procedures / functions for CRUD operations to manipulate database.
* Engineered an auto-complete search engine resulting in faster search time with fewer number of requests.

**Search Engine - github:** [**https://bit.ly/2yWSD7N**](https://bit.ly/2yWSD7N)

* Developed a search engine using Python, Bootstrap 4, and Flask.
* Utilize Google’s PageRank Algorithm to efficiently rank websites.
* Wrote and implemented web crawler to dynamically retrieve websites link.

**WORK EXPERIENCES**

**Vietnamese Eucharistic Youth Movement (VEYM) San Jose, CA**

*Webmaster/Youth Leader (vsl-tntt.org) Jul. 2016 – Present*

* Led a website development project with a youth leader to increase communications between parents and the organization.
* Aid fellow youth leaders in planning and facilitate weekly lessons and annual events for more than 50 youths.

**Artificial Intelligence at UCI Irvine, CA**

*Webmaster/Co-Historian (aiclub.ics.uci.edu) Jan. 2018 – Jan. 2019*

* Developing a professional website for community outreach and gained over 450 sign-ups for club’s newsletter.
* Increased club’s reputation and member’s involvement by documenting club’s weekly activity on YouTube, Facebook, and club’s website.

**De Anza Information and Computer Science Lab De Anza College, CA**

Lab Assistant/TA *Aug. 2015 – Jun. 2017*

* Resolved knowledge deficiencies that students have in C++, Java, and data structures.
* Debugged students’ programming homework while help them to follow adequate coding practices.