

# HENRY KHOA NGUYEN

## Software Developer

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## TECHNICAL PROJECTS

### Spotify API Web Browser

<https://us-spotify-browser.herokuapp.com>

📅 Feb 2020 – May 2020

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

### German Football Data Analyzer

<https://german-futball.herokuapp.com>

📅 Dec 2019 – Jan 2020

- Back-end project that parse, calculate, and display analytical data.
- Developed by Angular, MongoDB, Material UI, Node.js, Express.
- Created Node RESTful API's and data models from CSV football's data.
- Engineered scalable Angular front-end components to enhance user experience while analyzing teams' data.

### E-commercial Movies Website

github: <https://bit.ly/34wHmGK>

📅 Mar 2018 – May 2018

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

### Search Engine

github: <https://bit.ly/2yWSD7N>

📅 Mar 2018 – May 2018

- Developed a search engine using Python, Bootstrap 4, and Flask.
- Utilized Google's PageRank Algorithm to optimize ranking of websites.
- Wrote and implemented web crawler to dynamically retrieve websites link.

## TECHNICAL SKILLS



### Languages

Python, C++, JavaScript/Typescript



### Database

SQL, NoSQL



### Technologies

Express, Node.js, AWS, Tomcat, React, Angular, RESTful, Git, Apache

## WORK EXPERIENCE

### Webmaster

#### Vietnamese Eucharistic Youth Movement

📅 Jul. 2014 – Ongoing

- Developed using Bootstrap and html5Up framework.
- A/B tested various layouts and components that increased communication with parents and youths by 70%.
- Engineered and maintained front-end and back-end of organization's website.

### Webmaster

#### Artificial Intelligent @ UCI

📅 Jan. 2018 – Jan. 2019

- Developed using Bootstrap and Angular.
- Designed an aesthetic homepage to display club's announcements and information.
- Attracted over 500 students in diverse disciplines to view organization's weekly educational email.

## EDUCATION

### Bachelor of Science in Computer Science

#### University of California, Irvine

📅 Jun. 17 – Mar. 20 📍 GPA: 3.2