

Bang Cao

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EDUCATION

University of Massachusetts Amherst, Manning College of Information and Computer Science – Amherst, MA **May 2024**
Bachelor of Science in Computer Science Cumulative GPA: 3.50/4.00

TECHNICAL SKILLS

C/C++, JavaScript, Python, C#, .NET, Node.js, Django, React.js, Redux.js, HTML, CSS, Git, LaTeX, MongoDB, PostgreSQL

RELEVANT COURSEWORK

Computer Science: Algorithms and Data Structures, Theory of Computation, Software Engineering and Design, Linear Algebra, Operating Systems, Artificial Intelligence, Search Engine, Web Programming.

EMPLOYMENT EXPERIENCE

EyeQ Tech | Software Engineering Intern | Ho Chi Minh, Vietnam **May 2022 – August 2022**

- Integrate OPERA PMS and face recognition technology by EyeQ to EyqQ's hotel kiosk app using .NET, C#
- Create a working beta of the kiosk hotel app for Centara Resort
- Build a WPF application that uses OCR API to extract information from identification documents and save them to CSV file.

SiGlaz | Software Engineering Intern | Ho Chi Minh, Vietnam **Dec 2020 – June 2021**

- Write queries for backend of web apps, employing MVC pattern and REST API, using Java, C#, .NET Framework, and PostgreSQL.
- Build UI/UX of web products using Javascript, jQuery
- Contribute to the design of Android application of one of the products

PROJECTS

PostIt Fullstack App | Social Web Application | Amherst, MA **July 2022 – August 2022**

- React, Redux, Node.js, Express, MongoDB, JavaScript, HTML, CSS, Bootstrap, Heroku, Git*
- Link: <https://post-it-fullstack.herokuapp.com/>
 - Source Code: <https://github.com/MorElf7/post-it-fullstack>
 - A social media web app that is a close clone of Twitter allows users to sign up, log in, and post images and text.
 - Built a local authentication strategy using session store.
 - Used Node.js and Express to build backend API, employing RESTful services and MVC model, and store data on Mongo Atlas.
 - Used React, Redux, and Bootstrap to build the app's frontend.
 - Built and deployed website using Heroku, and Git.

PostIt Express App | Social Web Application | Amherst, MA **July 2022 – August 2022**

- Node.js, Express, MongoDB, JavaScript, HTML, CSS, Bootstrap, Heroku, Git*
- Link: <https://post-it-social-media.herokuapp.com/>
 - Source Code: <https://github.com/MorElf7/post-it-express>
 - An earlier version of my PostIt Fullstack App.
 - Used Node.js and Express to build a server-rendered web app, employing RESTful services and MVC model

Find the Combo | Text-adventure Game | Amherst, MA **February 2022**

- C/C++*
- Source Code: <https://github.com/MorElf7/Find-the-combo>
 - A text-adventure style game that was built using C
 - Played using the command line

Personal Portfolio Website | Portfolio website | Amherst, MA **July 2021**

- Python, JavaScript, HTML, CSS, Bootstrap, Django, Heroku, Git*
- Link: <http://bangcaoportfolio.herokuapp.com/>
 - Use JavaScript and Django to build interactive website components.
 - Styled website using CSS and Bootstrap.
 - Built and deployed website using Heroku, and Git.