

# Bang Cao

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## EDUCATION

**University of Massachusetts Amherst** – Amherst, MA  
**Manning College of Information and Computer Science**  
*Bachelor of Science in Computer Science*

**May 2024**

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.