# Bang Cao

**Email:** caothanhbang2002@gmail.com
**Website:** http://bangcaoportfolio.herokuapp.com/
**Mobile:** +1-413-275-0249
**LinkedIn:** https://www.linkedin.com/in/bangcao/
**GitHub:** https://github.com/MorElf7

## EDUCATION

- **University of Massachusetts, Amherst** — Amherst, Massachusetts, USA
  *Bachelor of Science in **Computer Science**, GPA: 3.5, **Dean's List Honor*** — *Sep. 2020 – May. 2024*
    - Related Coursework: Data Structures; Programming Methodology; Comp. System Principle; Probability; Calculus; Linear Algebra; Introduction to Computation

## PROGRAMMING SKILLS

- **Languages**: Python, C/C++, JavaScript, Java, HTML, CSS.

- **Technologies**: Express, Node.js, Django, Heroku, jQuery, Git, PostgreSQL, MongoDB, Bootstrap, LaTeX, .

## EXPERIENCE

- **SiGlaz** — Ho Chi Minh City, Vietnam
  *Software Engineering Intern* — *Dec. 2020 - Jun. 2021*
    - Write modules and functions for MVC models and RESTful API using **Java**, **C#**, **JavaScript**, **PostgreSQL**.
    - Write the front end of web applications using **CSS**, **HTML**.

## PROJECTS

- **PostIt**
  *Node.js, Experss, MongoDB, JavaScript, HTML, CSS, Bootstrap, Heroku, Git*
    - **Website**: https://post-it-social-media.herokuapp.com
    - **Source Code**: https://github.com/MorElf7/PostIt
    - A social media web app that is a close clone of Twitter, allow user to log in and post anything images or text.
    - Used **Node.js** and **Express** to build web back-end, employing **RESTful** services and **MVC** model.
    - Data is stored on **Mongo Atlas**
    - Styled website using **CSS** and **Bootstrap**.
    - Built and deployed website using **Heroku**, and **Git**.

- **Personal Portfolio Website**
  *JavaScript, HTML, CSS, Bootstrap, Django, Heroku, Git*
    - **Website**: http://bangcaoportfolio.herokuapp.com/
    - Used **JavaScript** and **Django** to build interactive website components.
    - Styled website using **CSS** and **Bootstrap**.
    - Built and deployed website using **Heroku**, and **Git**.

- **Snake, Ping Pong, Chess**
  *Java Swing, Python*
    - **Source Code**: https://github.com/MorElf7/SimpleProjects
    - Snake and Ping Pong are modeled after the same classic Snake and Ping Pong. Chess is a game for two human players, playing against each other.
    - Used **Java** and **Python** to build Snake and Ping Pong with GUI.

- **Hey, That's My Fish!**
  *C/C++*
    - **Source Code:**: https://github.com/MorElf7/Hey-thats-my-fish
    - Used **C** to build an implementation of the game *Hey, That's My Fish!*.
    - Implemented an **AI** opponent using the **Greedy Algorithm** to play against user. The AI can **simulate** through all possible moves at any point of the game to determine the best immediate move.