Connor **Bach**

COMPUTER SCIENCE STUDENT

309 Morrissey Hall, Notre Dame, IN 46556

☐ (+1) 269-569-4207　|　✉ cbach120@gmail.com　|　🏠 connorbach.me　|　☐ ConnorBach　|　in Connor Bach

Personal Statement

My long term goal is to build meaningful software that improves people's lives. In the short term I am looking to gain industry experience through a software engineering internship.

Education

University of Notre Dame
South Bend, IN

PURSUING B.S. IN COMPUTER SCIENCE
August 2016 - Present

- GPA: 3.5/4.0

Work Experience

Tennis Coach
Portage, MI

YMCA OF GREATER KALAMAZOO
June 2014 - Present

- USTA certified tennis coach with 4 summers of teaching experience.
- Responsible for many classes with upwards of 20 students.
- Taught ages ranging from preschoolers to adults.

Web Administrator
Portage, MI

NOTRE DAME CLUB OF KALAMAZOO
March 2017 - Present

- Lead web administrator for my local Notre Dame Club.
- Manage website design, event scheduling, member registration, communications and member outreach.

Projects

Personal Website

CONNORBACH.ME

- HTML/CSS/JavaScript
- Bootstrap 3 with functional tabs
- Responsive design for mobile compatibility

Multiplayer Board Game Simulation

GITHUB.COM/CONNORBACH

- Matlab
- Simulates a multiplayer board game where 5 AI's compete under set win conditions
- Object oriented design allows for multiple AI's with different strategies
- Can run individual animated games or large simulations of many games while providing data for each play through
- Different AI strategies have significant impacts on the winning percentages of each team

Dining Hall Guide

GITHUB.COM/CONNORBACH/ND_DH_GUIDE

- Python, Selenium, BeautifulSoup4
- Web Scraper application that finds a user's favorite foods in the dining hall

Digital Guitar Effects

GITHUB.COM/CONNORBACH

- Matlab
- Simulates various digital guitar effects
- Allows for dynamic effects with input parameters and visual displays of the effects

Skills

C++, Java, Matlab, HTML/CSS/Javascript, Python