

# NATHAN HALL

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## EDUCATION

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### **University of Pittsburgh | Pittsburgh, PA**

*Bachelor of Science in Computer Science*

Expected Graduation: August 2020

Relevant Courses:

Computer Networks, Software Engineering, Operating Systems, Software Design, Professional Writing

## PROJECTS

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### **Cheap Eats Android Application**

June 2019-August 2019

Team Project | Agile Development

- Full-stack toolchain with XML on the front end, java on the back end, and firebase as the database
- Implemented the following back-end functions: Account creation, account verification, user login, user preferences, password reset, post filtering, and post searching
- Designed the following front-end views: Query, user login, user registration, user settings
- Developed in 4 sprint phases with a kanban board, and GitHub version control
- In charge of leading team meetings twice a week and keeping track of each individual's stories and points

### **Pitt Social Database Application**

October 2019-December 2019

Team Project | Iterative Development

- Developed the main application using java, and PostgreSQL used to implement the database systems
- Implemented the following java functions to work with the database: Create user, create group, login, friend request, group request, confirm friend requests, confirm group requests
- Created the driver file for other team members to test the correctness of functions for the main program
- Used GitHub version control for collaboration between team members

### **Personal Webpage**

December 2019-Present

Personal Project | Iterative Development

- Personal webpage developed for a simple record of projects, experience, and education
- Created using NodeJS, ReactJS, CSS, and HTML
- Used GitHub pages to deploy the webpage and keep source code

## WORK EXPERIENCE

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### **Wrestling Coach**

November 2017—March 2019

West Allegheny School District

Imperial, PA

- Designed and implemented specific strength, dieting, and technique programs for wrestlers
- Analyzed each wrestler's strengths and weaknesses; and offered a solution to address them
- Ran practices 12 hours a week alongside the head coaches, spent 6-7 hours every weekend at various tournaments throughout the season
- Coached 10 state qualifiers, 6 state placers, 15+ regional qualifiers, 12 regional placers, 25+ sectional qualifiers, and 20 sectional placers

## ADDITIONAL ACTIVITIES

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Pitt Computer Science Club

September 2017-Present

Volunteer High School Tutor

January 2018-Present

Pitt D1 Wrestling Team

June 2015-November 2017

## SKILLS

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**Languages:** C, C++, CSS, HTML, Java, JavaScript, NodeJS, Python, SQL

**Technical:** Android, Excel, GitHub, Word