

# Sean Wallace

wallace.se@husky.neu.edu | 215-620-9206 | seanwall.github.io

Local: 1 Sachem St. Apt. 3 | Boston, MA 02115

Home: 8017 Winston Rd. | Philadelphia, PA 19118

Available: July - December 2019

## EDUCATION

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**Northeastern University**, Boston, MA September 2016-present  
College of Computer and Information Science (CCIS)  
*Candidate for a Bachelor of Science in Computer Science* May 2021  
GPA: 3.433/4.0  
Related Courses: Software Development, Object-Oriented Design, Algorithms & Data Structures, Game AI, Database Design, Computer Systems, Discrete Structures, Fundamentals of Computer Science  
Activities: *Northeastern Men's Club Ultimate Frisbee* - President  
*WRBB 104.9 FM* - Student Radio Show Host

**Julia R. Masterman High School**, Philadelphia, PA June 2016  
GPA: 4.0/4.0  
Related Courses: Computer Science  
Activities: Ultimate Frisbee Team, Jazz Band, World Affairs Club

## SKILLS

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*Languages:* Java, C#, Python, MySQL, HTML, CSS, C++  
*Tools:* Git, TeamCity, JIRA  
*Operating Systems:* OS X, Linux, Windows

## PROJECTS

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**Robotic Arm Controlled by Wiimote** May-April 2018

- Created logic circuit design in Simulink that generates a PWM Cycle to be used in controlling a robotic arm
- Developed C++ program that interfaces with circuit, allowing users to control multiple servos on the arm
- Modified program to take input from acceleration of a Wiimote connected via bluetooth

**Basic Animator** October-December 2017

- Built an animation program in Java using the MVC design pattern
- Devised and implemented representations of shapes, animation commands, and multiple view types
- Adapted Basic Animator design to work with code provided by other students

## EXPERIENCE

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**NantHealth**, Boston, MA July 2018-December 2018  
*Software Engineering Co-op*

- Developed Python script used daily by development team in the generation of HTTP requests, saving developers hours on manual request composition
- Updated C# program that backs up configuration files stored in a Couchbase server to provide a more informative backup of the data
- Monitored, maintained, and updated scheduled Rundeck jobs to ensure necessary files were being backed up correctly
- Migrated Couchbase data bucket to a new cluster in order to replace deprecated server

**Northeastern Men's Club Ultimate Frisbee**, Boston, MA September 2018-present  
*Northeastern Men's Ultimate Frisbee President*

- Act as liaison between the Northeastern Ultimate program and the Northeastern University Club Sports staff
- Collaborated with Treasurer in an overhaul of program dues system to address a \$10,000 fund allocation disparity across the teams
- Execute travel logistics such as booking hotels, reserving rental vans, and organizing player flights
- Collaborated with fundraising team in the planning and execution of fundraisers raising over \$1000