Charlie Herrmann

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EDUCATION

University of Pennsylvania, Philadelphia, PA   Aug 2019 – Present
- *School of Engineering and Applied Science:* candidate for BSE in Computer Science, expected May 2023
- *Cumulative GPA:* 3.90/4.00

Lower Merion High School, Ardmore, PA   Sept 2015 – June 2019
- *GPA:* 5.00/5.00
- *Honors:* First Honor Roll, Scholar Athlete Award

RELEVANT COURSEWORK

Programming Languages and Techniques I & II, Math Found in Computer Science, Intro to Computer Systems, Python Programming, Automata Computability and Complexity, Scalable and Cloud Computing

TECHNICAL SKILLS

Languages: Java, Python, JavaScript, HTML, CSS, Swift, OCaml, C
Frameworks: JUnit, Apache Spark, Bootstrap, Django, Flask
Tools and Technologies: Git, Github, Eclipse, PyCharm, Xcode, Visual Studio Code, Amazon Web Services

PROJECTS

PennBook | *JavaScript w/ jQuery, HTML w/ Bootstrap, Amazon Web Services, Git*   Sept 2020 – Dec 2020
- Developed a Mini-Facebook for Penn students for Scalable and Cloud Computing class final project
- Users were able to send friend requests to other students, make their own posts, make status updates, send messages to their friends, and more
- Utilized Amazon Web Service tools such as DynamoDB for storing data and EC2 for running a virtual computing environment

UniHub | *Swift, College Scorecard API, Github*   Jan 2019 – May 2019
- Developed an iOS application to help high school students organize their college application process
- Users could search for information about each school gathered from US Department of Education API
- Users could set notifications for important deadlines, mark their calendars for important events, ect...

Rubik's Cube Solver | *Java*   May 2019
- Developed a program to solve a 2x2x2 Rubik's cube in the minimum amount of moves
- Mentored by a software developer working at Susquehanna International Group to discuss most efficient data structures and algorithms for this problem

PROFESSIONAL AND VOLUNTEER EXPERIENCE

Head Coding Instructor   June 2019 – Aug 2019
Friends' Central Summer Programs   *Wynnewood, PA*
- Worked with the Camp Director to introduce coding for the first time as an activity at Friends' Central Summer Programs
- Created and taught an introductory computer programming curriculum for campers aged 7-12

Python Instructor   Nov 2018 – Jan 2019
Bala Cynwyd Middle School   *Bala Cynwyd, PA*
- Helped to create an introduction to Python curriculum for middle school students
- Took several field trips to my former middle school to teach Python to 6th, 7th, and 8th grade classrooms

ACTIVITIES

Tau Epsilon Phi Fraternity, current Academic Chair   Jan 2020 – Present
Penn Club Running, competitive long distance runner   Aug 2019 – Present