Jacob A. Manning

– address and phone number intentionally omitted –
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EDUCATION
University of Pittsburgh
BS, Computer Engineering, expected May 2019. GPA: 3.82

TECHNICAL EXPERIENCE
Relevant Coursework
- Data Structures, Computer Organization and Assembly Language, Analysis and Design of Electronic Circuits, Digital Laboratory, Digital Logic, Intermediate Programming using Java, Linear Circuits

Programming Languages
- Java, C/C++, Python, HTML/CSS, MATLAB, UNIX, JavaScript, Ruby, PHP, SQL
- Learned through formal education and independent study. Work online on personal website and GitHub

Undergraduate Research   9/2016 – present
- National Science Foundation Center for High Performance Reconfigurable Computing (NSF CHREC)
- Worked with parallel programming using OpenMP in C/C++ and basic machine learning in Python

Swanson School of Engineering Freshman Engineering Conference   1/2016 – 4/2016
- Presented and co-authored technical report "Stretchable Transparent Electrodes Made with Nanotrough Networks of Metallic Glasses for Wearable Heaters and Electronics"

WORK EXPERIENCE
University of Pittsburgh, Office of Residence Life   8/2016 – present
Resident Assistant – First Year Engineering Living Learning Community
- Planned, organized, and executed initiatives in residence hall and in the University as a whole
- Served as a resource, mentor, and leader for a floor of 56 first year engineering students
- Received regional and campus-wide recognition for job performance

University of Pittsburgh, Academic Resource Center   9/2016 – 12/2016
Tutor – PHYS 0174 / PHYS 0175 (calculus-based physics 1 and 2 for engineers)
- Taught topics such as mechanics, electricity, and magnetism
- Worked in one-on-one appointments with up to five students each week

Dunkin' Donuts   5/2016 – 7/2016
Team Member
- Quickly mastered job responsibilities, trained new employees

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INVOLVEMENT
University of Pittsburgh Chapter of American Institute of Aeronautics and Astronautics (AIAA) – Membership Chair, University of Pittsburgh – Design Hub, University of Pittsburgh Emerging Leaders Program, Boy Scouts of America – Eagle Scout