

Daniel Callahan

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EDUCATION

Tufts University | Medford, MA | Class of 2017

Bachelor of Science in Engineering Psychology, May 2017

Minor in Computer Science

Relevant Coursework: General Physics I and II; Vector Calculus; Data Structures; Intro to Electrical Systems; Statics and Dynamics; Machine Design and Fabrication; Intro to Human Factors Engineering

GPA: 3.53

Fairfield Warde HS | Fairfield, CT | Class of 2013

National Honor Society, *President*

Student Forum, *President*

National AP Scholar with Honor Award

EXPERIENCE

National Student Leadership Conference | Berkeley, CA | June – August 2014

Head Team Advisor: Organized Team Advisors in coordination with the Program

Director; guided high school students through engineering projects; encouraged introspection and team building as taught in the leadership course

Tufts University Department of Computer Science | Medford, MA | Fall 2014

Teaching Assistant: Facilitated a semester-long simple robotics course; instructed students on technical skills during weekly office hours

Tufts Center for Engineering Education and Outreach | Medford, MA | Ongoing

Student Teacher Outreach Mentorship Program (STOMP): Planned and implemented curriculum for an elementary school classroom focusing on engineering concepts including common careers, design process, and core STEAM skills; advised high school students as they designed robotics curricula and competitions for elementary level students

COMPUTER SKILLS

Programming

Languages: C++, LabView, Java, Visual Basic (VBA)

Relevant Courses: Data Structures, Simple Robotics, Intro to Computing in Engineering

Platforms

Microsoft Office: Word; Excel; PowerPoint

ACTIVITIES

Music

Drums and Percussion: Tufts Jazz Orchestra;
Shark Saddle; HS Jazz Band; HS Marching Band

Voice: Tufts Gospel Choir; Shark Saddle; HS
Chamber Singers, HS a Capella group *Overtones*

Other

Robotics: Tufts Robotics Club;
Arduino; Makey-Makey; Lego EV3

Community Service: Junior Deacon;
Appalachia Service Project