

Joshua Field

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EDUCATION

NORTHEASTERN UNIVERSITY | CANDIDATE FOR BS IN ELECTRICAL & COMPUTER ENGINEERING

GPA: **3.92** | Graduation Date : **April 2021**

Relevant Courses: Engineering Cornerstone 1 & 2 | Calculus 2 | Differential Equations | Robotics

Clubs: ChemE Car | IEEE | AIAA

ARCADIA HIGH SCHOOL

GPA: **3.93** | SAT (old): **2120** | Graduation Date : **June 2017**

Relevant Courses: AP Calculus AB | AP Physics C | AP Chemistry | AP Computer Science A | AP Comparative Government | AP English Literature

Activities: Boy Scouts | Marching Band Section Leader | Varsity Goalkeeper | Taekwondo 3rd Degree Black Belt

EXPERIENCE

COLLEGE OF ENGINEERING CONNECTIONS COMPUTER LAB | LAB ASSISTANT

January 2018 – April 2018 | Boston, MA

- Run the head desk. Assist with general IT help.

NORTHEASTERN UNIVERSITY RESMAIL | MAIL SERVICES ASSOCIATE

October 2017 – December 2017 | Boston, MA

- Sorted and delivered mail. Also audited & updated the computerized **database**.

ARCADIA HIGH SCHOOL MARCHING BAND | TRUMPET SECTION LEADER

August 2016 – June 2017 | Arcadia, CA

- Led trumpet section practices & instructed peers and younger members. Also organized section events.

JOHNS HOPKINS ENGINEERING INNOVATION | SUMMER COURSE

June 2016 – August 2016 | Pasadena, CA

- Used **truss analysis** to create the strongest spaghetti bridge.
- **Reverse engineered** a light sensing robot to create **logic tables** and program our own robots.

AWARDS

NATIONAL MERIT COMMENDED SCHOLAR | 2017

Was awarded to the **top 3.3%** of students nationally

EAGLE SCOUT | 2017

Was awarded the rank of **Eagle Scout** in February 2017. Led multiple troop meetings of **70+ scouts**.

AP SCHOLAR WITH DISTINCTION | 2017

Was awarded for having higher than a 3.5 average AP test score for more than 5 tests.

PROJECTS

PIEZOELECTRIC KEYBOARD

C, Arduino, Solidworks, AutoCAD

- Used **piezoelectric sensors**. Built a **full-wave diode rectifier** & coded an **Arduino** to measure the power generated.

SKILLS

PROGRAMMING

- Java, C++
- Familiar with C, Python, HTML, CSS, \LaTeX , Matlab

COMPUTER

- Simulink, SolidWorks, AutoCAD, Microsoft Office Suite, Adobe Photoshop, Adobe Lightroom