

# Justin Jo

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## Education

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**Tufts University** – Medford, MA

*May 2018*

Bachelor of Science in Computer Engineering & Computer Science

GPA: 3.72

## Relevant Courses

Algorithms, Data Structures, Microprocessor Architecture, Machine Structure, Discrete Mathematics, Probabilistic Systems Analysis, Digital Logic Systems, Linear Systems, Electronics I, Hyperspectral Imaging

## Technical Skills

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**Programming:** C++, C, Python, PHP, JavaScript, HTML, CSS, XML, Arduino, MATLAB

**Software:** Unix, Git, Mercurial, Phabricator

## Work Experience

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**Facebook**

**Menlo Park, CA**

Software Engineering Intern - Internet.org

*May 2017-Present*

- Implementing in-feed promotions on mobile to connect cell carriers and users: PHP, XML, CSS
- Feature will impact over 25 million users in developing markets

**Tufts University, Department of Computer Science**

**Medford, MA**

Teaching Assistant – Algorithms

*Jan 2017–Present*

- Teach review sessions on algorithmic topics, including theta notation, amortization, and augmented trees
- Hold office hours for 100+ students

**MultiSensor Scientific**

**Somerville, MA**

Image Processing Intern

*June 2016-Aug 2016*

- Developed morphological noise-cleaning algorithms: MatLab, C
- Optimized noise-cleaning for an 80% runtime speedup
- Shipped real-time noise-cleaning as a core product feature

## Projects

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**Land Mine Detecting Swarm Bots**

*Jan 2017-May 2017*

Autonomous robots that detect and signal locations of mock land mines. Implemented features include path and obstacle detection, communication systems, and salsa dancing in pairs. Arduino, C

**Logic Minimizer**

*April 2017*

CAD tool used to process boolean logic functions and render their minimized forms. Python

**Arith**

*Feb 2017-March 2017*

Lossy image compression algorithm. Overall 1%-3% loss in quality after compression and decompression. C

**PubNub Chatroom**

*Jan 2017*

Basic chatroom built using PubNub's JavaScript V4 SDK. Automatically assigns user IDs and allows users to send personalized messages to a centralized chat. Includes automatic login/logoff messages. JavaScript

## Extracurricular Activities

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Tufts Climbing Team, Korean Student Association, Tufts Turbo (breakdancing group)