# JUSTIN JAESUNG LEE

25703 Shoreline Drive • Novi, MI, 48374
justinjl@umich.edu • (734) 645-6812

---

| **EDUCATION** | **UNIVERSITY OF MICHIGAN – Ann Arbor** | |
|---|---|---|
| | **College of Engineering** | **Expected April 2021** |

- Computer Science BSE
- GPA: 3.54/4.00

---

| **WORK EXPERIENCE** | **Capstone Surgical Technologies – Troy, MI** | **Summer 2019** |
|---|---|---|
| | **Software Intern – C/C++, C#** | |

Developed hardware and software to assist orthopedic surgeons
Used PCL to segment and surface spinal vertebrae from CT scans
Optimized surfacing runtime from 25 minutes to 3 minutes
Rapidly prototyped demonstrations with Arduino and Windows Forms

---

**TECHNICAL SKILLS**

**Languages:** C/C++, Java, Swift, LEGv8, MATLAB
**Application and Tools:** Excel, Git, VsVim, Bash

---

| **RELEVANT COURSEWORK** | **EECS 482** – Intro. to Operating Systems | **Winter 2018** |
|---|---|---|
| | **EECS 381** – Adv. Object Oriented Programming | **Fall 2018** |

   P6 – C/C++
     An extensible and maintainable multiplayer naval warfare simulator

| | | |
|---|---|---|
| | **EECS 370** – Intro. to Computer Organization | **Spring 2018** |
| | **EECS 281** – Data Structures and Algorithms | **Winter 2017** |

   *Star Wars IX: A New Heap* – C++
     Stock market simulator clashing 'Sith' sellers against 'Jedi' buyers

---

| **PERSONAL PROJECTS** | *DCDSwarm* – Android + iOS | **2016 - 2018** |
|---|---|---|

   Downloads and displays personal assignments and schedules
   Performs HTTP requests to login and scrape from school website
   Wrote Excel scripts to format school schedule into JSON files

| | | |
|---|---|---|
| | *MATLabber* – Java + MATLAB | **Summer 2016** |

   Analyzes and graphically renders electronic laboratory data

| | | |
|---|---|---|
| | *Crammunity* – iOS | **Summer 2015** |

   Sends and stores messages for student study sessions

---

| **EXPERIENCE** | **FRC ROBOTICS TEAM** | **2012 - 2017** |
|---|---|---|
| | **Captain** | |

   Ensured electronic functionality of the robot by designing and constructing a housing system
   Organized daily schedule to achieve season goals by competition date

| | | |
|---|---|---|
| | **COMPUTER CLUB** | **2012 – 2017** |
| | **Captain** | |

   Competed and placed in state programming competitions
   Taught new members how to use programming concepts and tools

| | | |
|---|---|---|
| | **MT. BRIGHTON SKI PATROL** | **2015 - 2017** |
| | **Junior Patroller** | |

   Cleaned and inventoried equipment and supplies
   Protected and communicated incident locations to medical patrollers