|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **JUSTIN JAESUNG LEE** | | | | | |
| 25703 Shoreline Drive Novi, MI, 48374 | | | | | |
| justinjl@umich.edu  (734) 645-6812 | | | | | |
|  | | | | | |
| **EDUCATION** | **UNIVERSITY OF MICHIGAN – Ann Arbor** | | |  | |
|  | **College of Engineering**   * Computer Science BSE * GPA: 3.54/4.00 | | **Expected April 2021** | | |
|  | | | | | |
| **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  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 | | | **2016 - 2018** |
|  | ***MATLabber***– Java + MATLAB  Analyzes and graphically renders electronic laboratory data | | | **Summer 2016** |
|  | ***Crammunity***–iOS  Sends and stores messages for student study sessions | | | **Summer 2015** |
|  | | | | | |
| **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 | | | | |