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| **JUSTIN JAESUNG LEE** | | | | |
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| justinjl@umich.edu  (734) 645-6812  github.com/orccrusher99 | | | | |
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| **EDUCATION** | **UNIVERSITY OF MICHIGAN – Ann Arbor** | |  | |
|  | **Computer Science BSE**   * College of Engineering * GPA: 3.52/4.00 | **Expected April 2021** | | |
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| **WORK EXPERIENCE** | **Capital One** – **Mountaineers Tech Intern** | | **Summer 2020** | |
| *Go, Python, Salesforce LWC/React, PostgreSQL, AWS EC2* | | **McLean, VA** | |
| Created a full-stack application to replace manual data upload  Developed a RESTful API in Golang exposing PostgreSQL vendor data  Designed an intuitive React frontend based on Salesforce workflow  Deployed to EC2 cloud instances for server load balancing and uptime | | **(Virtual)** | |
| **Capstone Surgical Technologies** **– Software Intern** | | **Summer 2019** | |
| *C/C++, C#* | | **Troy, MI** | |
| 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 | |  | |
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| **TECHNICAL SKILLS** | **Languages:**  C/C++, Python, Java, Swift, LEGv8  **Frameworks**: React, Flask, Nest.js, Angular  **Tools:** Firebase CloudStore, Excel, Git, VsVim, Bash | |  | |
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| **RELEVANT COURSEWORK** | **EECS 482** – Intro. to Operating Systems | | **Winter 2018** | |
| **EECS 381** – Adv. Object Oriented Programming | | **Fall 2018** | |
| P6 – C/C++  An extensible and scalable 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 | |  |
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| **PERSONAL PROJECTS** | ***Shaped*** ­– React Native, Nest.js, Firebase CloudStore | | **Summer 2020** |
| A dating platform built on semi-public discussions and interactions | |  |
| ***Home*** – Bash + Vimscript | | **2019-2020** |
| My personal Unix configuration files | |  |
| ***DCDSwarm***– Android + iOS  Downloads and displays personal assignments and schedules  Performs HTTP requests to login and scrape from school website  Runs scripts to export Excel school schedule into JSON | | **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** |