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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** | |  | |
|  | **Bachelor’s Degree in Computer Science**   * 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  Rapidly prototyped demonstrations with Arduino and Windows Forms  Used PCL to segment and surface spinal vertebrae from CT scans  Optimized surfacing runtime from 25 minutes to 3 minutes | |  | |
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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** |