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| **JUSTIN JAESUNG LEE** | | | | |
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| 25703 Shoreline Drive Novi, MI, 48374 | | | | |
| github.com/arkrusade | | | | |
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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 Salesforce frontend based on customer 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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| **RELEVANT COURSEWORK** | **EECS 470** – Computer Architecture | | **Winter 2021** | |
| ***VeriProc*** – SystemVerilog  3-way superscalar out-of-order processor based on P6 architecture | |  | |
| **EECS 442** – Computer Vision | | **Winter 2020** | |
| ***Hangeul Recognition*** – Python  OCR modeler built in PyTorch to categorize Korean characters | |  | |
| **EECS 381** – Adv. Object Oriented Programming | | **Fall 2018** | |
| ***Navigator6*** – C/C++  A 5000+ LOC extensible and scalable naval warfare simulator | |  |
| **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*** ­– Lead Backend Developer | | **Summer 2020** |
| Created a mobile dating platform with semi-public interactions  Applied UI/UX knowledge to implement React Native frontend  Designed a RESTful API in Nest.js for Firebase backend | |  |
| ***Home*** – bash + vimscript | | **2019-2020** |
| Personal Unix dotfiles and configuration files | |  |
| ***DCDSwarm***– Android + iOS  Downloads and displays personal assignments and schedules | | **2016 - 2018** |
|  | ***MATLabber***– Java + MATLAB  Analyzes and graphically renders electronic laboratory data | | **Summer 2016** |
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| **TECHNICAL SKILLS** | **Languages:**  C/C++, Python, Java, Swift, LEGv8, Golang, PostgreSQL  **Frameworks**: React, Flask, Nest.js, Angular, React Native  **Tools:** Firebase CloudStore, Excel, git, vim, bash, AWS | |  | |