Sidharth Venkatesh

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EDUCATION

Purdue University **West Lafayette, IN**
Bachelor of Science in Computer Science [GPA: 3.85] May 2021
Skills: C/C++(Expert), Java(Expert), Python, Arduino, React

COMPUTER SCIENCE AND ENGINEERING WORK EXPERIENCE

Microsoft **Redmond, WA**
Software Engineer Intern, Core Services Engineering & Operations – Data Science May – August 2019

- **ML Platform Team** – A complete E2E automated solution to provision Azure resources, Repositories, Area Paths, Notebooks and more to bring down the setup time from **few weeks to under a day** to be used in a ML or Analytics Project.
- **Designed and built** a frontend UI using Office UI Fabric React and TypeScript
- **Researched** and **Implemented** user experience techniques, compliance and **accessibility** standards
- **Partnered** with **T-Mobile** in the Microsoft Hackathon to **autonomously** drive a car using image recognition and supervised learning

Qualcomm Inc. **San Diego, CA**
Interim Engineering Intern, Camera Test Development Team May – August 2018

- **Localized the camera testing process** by eliminating the connection between the PC and the camera test device, thus improving test times and ability to add more complex and randomizable test suites
- **Built an end-to-end tool** that translates multiple testcase XMLs into complex feature tests
- **Researched** and **Implemented** different data mining techniques and NLP to analyze log files
- **Won overall 2nd** and **'Best Innovative Hack'** at Qualcomm's **Hackmobile** for building a **biometric security system** for physical controls using a Dragonboard 410c, facial recognition AI & a physical knob

Engineering Projects in Community Service (EPICS) **Purdue University**
Greater Lafayette Special Services (GLASS) – TOSS Team Jan - May 2018

- **TOSS** is a **motorized ball-launching** system to allow children with disabilities such as cerebral palsy to participate in physical activities that require throwing or kicking a large ball, such as kickball
- **Researched** on **Arduino and PWM** signals and **built** a speed control for the spinning motors on TOSS to vary the distance the ball is launched

Projects

- GoOut! **–** An event management app where users can RSVP to events and organizers can create events
- SnapCalendar – Take pictures of event posters and see it automatically added into your Google Calendar
- Bash Shell and SubShell
- Malloc – A dynamic memory allocation system
- Web server and document retrieval

LEADERSHIP EXPERIENCE

Purdue Undergraduate Teaching Assistant **Purdue University**
CS 240: C Programming August – December 2018
CS 250: Computer Architecture August 2019 - Present

Purdue University Cricket Club **Purdue University**
Community Service Officer January 2018 - Present

- Responsible for organizing and overseeing club events and cross-club participation