

Vaibhav Makar

vaibhavmakar.com
vmakar2@illinois.edu | +1 217.552.8103

EDUCATION

UNIVERSITY OF ILLINOIS

URBANA CHAMPAIGN

BS IN COMPUTER ENGINEERING

Expected May 2021 | Urbana, IL

BISHOP'S SCHOOL

Grad. May 2017 | Pune, India

LINKS

Github:// [vmakar](#)

Devpost:// [vmakar](#)

LinkedIn:// [vaibhavmakar](#)

SKILLS

Java • C++ • Python • HTML • CSS

NodeJs • ReactJS • JavaScript • C

Linux CLI • MongoDB • ExpressJS

LEADERSHIP & AWARDS

- **Illini Venturing 1867**
Crew Officer
- **The Maize Report**
Co-Founder and Editor
- **Modern Education Society Quiz**
2nd Place in Final, 2016
- **TCS IT Quiz**
2nd Place in Regional Final, 2016
- **SOF Cyber Olympiad**
3rd Place in Regional Final, 2015

COURSEWORK

Discrete Mathematics

Computer Systems & Programming

Electronics

Data Structures

Analog Signals and Systems

Probability

Artificial Intelligence

Databases (In Progress)

Virtual Reality (In Progress)

Digital Signal Processing (In Progress)

PROJECTS

ILLINI SOLAR CAR | TELEMETRY AND STRATEGY LEAD

August 2018 – Present | Urbana, IL

- Leading a team of over 20 students to work on projects involving development of a web interface, and performing analysis on datasets from previous races
- Building a Telemetry Interface to communicate data from the car, using NodeJS, MongoDB, ExpressJS and ReactJS
- Make strategic decisions for the team based on the data, including at an international competition held in Texas where we achieved 4th place

BALLOT

February 2018 | Urbana, IL

- Created a responsive and searchable Web App on a Firebase backend that uses Google's Civic Information API to display upcoming local elections, and Google Maps API to display nearby polling locations
- This project was a submission to HackIllinois 2018

PROJECT 829

Sep 2017 – December 2017 | Urbana, IL

- Created a landing page for an app
- Worked with team to develop an Android app Trade, which allows you to seamlessly share social media profiles with a single click

HACKREACTION

June 2016 – August 2016 | Pune, India

- Organized a hackathon for 150 students, sponsored by Thoughtworks
- Handled all technical responsibilities including development of website, rules of events, and management of workstations for attendees

EXPERIENCE

CATERPILLAR | INTERN

January 2020 - Present | Chicago, Illinois

- Software Engineering intern on the Architecture team at Cat Digital
- Working on a full stack application using React, NodeJS and AWS services to represent data from 1 million+ devices.

ACCESSIBLE MEDIA SERVICES | MULTIMEDIA ASSISTANT

August 2018 - August 2019 | Champaign, Illinois

- Transcribing lecture videos for the Division of Disability Resources & Educational Services at the University of Illinois - Urbana Champaign

SPEAK | IT TEAM MEMBER

January 2016 – July 2017 | Pune, India

- Organized open mics and performance showcases
- Created and maintained website and provided other technical assistance

TATHAPI | VOLUNTEER

April 2016 – May 2017 | Pune, India

- Improved website interface
- Digitized and uploaded the library of health resources and managed their social media presence