

# ANANYA CLEETUS

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## Education

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### University of Illinois at Urbana-Champaign

2015 - 2017, 2019 - 2021 (expected)

B.S. Computer Science

Technology Commercialization

Certificate

### Coursework:

Discrete Structures

Data Structures

System Programming

User Interface Design

Algo & Models of Computation

Database Systems

## Skills

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### Languages:

Java, Python, C++, C#, Javascript,

HTML/CSS, Obj-C, Swift, SQL

### Software:

Autodesk Inventor, SolidWorks,

Eagle CAD, InDesign, Photoshop,

Illustrator, After Effects

**Tools & Frameworks:** React, React

Native, Git

## Patents/Publications

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### Patent 62,054,595

Cleetus, Ananya. 24 June 2014.

### Advancement of the Jaipur Foot Above-Knee Prosthetic

QoLT/ASPIRE REU, ELeVATE,

TIPeD, & REV-T Symposium

### Combating Mental Health in a Digital World

Talk given at 2019 TEDxUIUC

conference at Krannert Center

## Experience

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### Microsoft | SWE intern

Summer 2020

- Built page versions feature for managing version history in the OneNote Mac app
- Developed using Objective-C, C++, Microsoft APIs, and accessibility tools

### Microsoft | SWE intern

Summer 2019

- Created a file-caching/update system for embedded files in the OneNote Mac app
- Developed frontend experience and backend using Objective-C, C++, Microsoft APIs

## Projects

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### Anemone: Mental Health Crisis App

- Designed and developed a mobile mental health crisis app, using React Native, for creating and managing crisis plans, emergency resources, coping skills, and grounding
- Worked with mental health professionals to customize and market the app

### Robotic Prosthetic Hand for Leprosy Victims in India

- Designed and developed a cost-effective 3D-printed prosthetic hand system that utilizes user haptic feedback to mimic hand movement in the prosthesis
- Created using simulated tendons, flex sensor feedback, and an Arduino control system, tested using the Brown AM-ULA metric and motion capture tracking
- Selected to present at the White House Science Fair and World Maker Faire in NY

### Counterfeit Drug Prevention Using Blockchain-based Verification

- Worked with a team at THE Port at CERN to design a mobile-based Blockchain verification system in order to track drug supply chain from manufacturer to consumer
- Created an automated peak analysis system as part of a low cost drug-testing capillary electrophoresis device

## Awards and Honors

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### Fiddler Innovation Fellowship (2020)

- Selected as NCSA's 2020 Fiddler Innovation Fellow for Anemone mobile app

### Carle Illinois Health MakerLab Winner (2020)

### Proclamation from Pittsburgh Mayor "Ananya Cleetus Day"

- Mayor Peduto of Pittsburgh declared October 5th, 2014 in the city of Pittsburgh "Ananya Cleetus Day" in honor of my STEM achievements

### White House Science Fair Exhibitor (2014)

- Selected to present Robotic Prosthetic Hand for Leprosy Victims in India

### Carnegie Science Award- Start-up Entrepreneur (2015)

- Selected as youngest ever recipient of the Carnegie Science Award for my startup, Magikstra, a social network for high school students to find mentors

## Campus Involvement

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**CS Mental Health Committee-** Founder and Current Chair

**CS 196 Freshman Honors-** Former Lead Instructor

**UIUC Reflections Projections Conference-** Former Content/Speakers Chair

**Association of Computing Machinery-** Former Social Chair

**Active Minds-** Projects Committee