

SRINIDHI EMKAY

Undergraduate Researcher at the WID

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EDUCATION

B.S. Biomedical Engineering and Computer Science

University of Wisconsin-Madison

Aug 2014 - May 2018

GPA : 3.81 / 4.00

EXPERIENCE

Software Engineering Intern

Johnson Controls, Inc. May 2015 - Aug 2015 Milwaukee, WI

- Worked closely with mobility team to create mobile payment app, using technologies including but not limited to Java 8, Ruby, Python, Salesforce, and Oracle Services
- Involved in all of the phases of the software development life-cycle.
- Experienced in object-oriented programming; developing, testing and debugging code; designing interfaces; and administering systems and networks

Project Manager

Student Service Finance Committee Mar 2015 - ongoing UW-Madison

- Monitor and allocate projects from a budget of over \$45 million
- Act as a liaison between the UW Board of Regents and student orgs.

Undergraduate Researcher

Wisconsin Institute for Discovery Dec 2014 - ongoing

- Study Biomaterials (drug delivery biosensors), polymer nanocomposites, devices, biobased plastics, and microcellular plastics.
- Grew, collected, and tested OVCAR-3 Cancer Cell lines via MTT Assay Testing

President & Founder

MHSA Dec 2015 - ongoing UW-Madison

- Plan campus-wide events with participation over 1,000 people
- Propose event timelines and grants to obtain funding (over \$5K per event)
- Get community involvement to strength a common goal

Student Assistant

University of Wisconsin-Madison COE Aug 2015 - May 2015 UW-Madison

- Assistants in labs, procure materials and consult teams on fabrication issues
- Liaising with staff to mentor incoming student into the College of Engineering
- Supported class instruction as per teacher requirements – Assisted in creating instructional environment which includes working in groups and individualized activities

COURSES

CS 540 Artificial Intelligence

CS 537 Operating Systems

MOST PROUD OF



My Strong Involvement in Student Gov.

Expressed my voice creating a difference on student life, and enriching over all well-being

LANGUAGES

English

Native



Telugu

Native



Spanish

Intermediate



Hindi

Beginner



PROJECTS

3D Scanning Tank Phantom Positioning Device

Sep 2016 - ongoing

University Card Scanner

Android and iOS compatible WiscCard Readers

- Increased Data for Org. and University
- Projected cost savings to University of \$5k/year

Wind Turbine

- Built a Hybrid Vertical Axis Wind Turbine for a competition hosted by the DOE
- Developed a plan to supply power to rural parts of India while decreasing fossil fuel usage.

SKILLS

Xamarin (C#)



JAVA



Database Managment



Linux/Unix



PHP and Perl

