

Ethan M. Bensman

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EDUCATION

Clemson University

Clemson, SC

- *Bachelor of Science, Computer Science*
- *Minor, Biochemistry and Biology*
- Clemson Honors College
- National Scholars Program – Clemson’s premier full tuition academic scholarship and enrichment program

May 2021

LEADERSHIP EXPERIENCE

Assistant Director at CUhackit

Spring 2018 – Present

- Oversee planning and direction of Clemson’s campus-wide fall and spring hackathons
- Created Clemson’s first “Hello World” freshman hackathon to teach and develop student skills in applied science (i.e. 3-D printing, coding, electrical engineering, etc.)

RESEARCH EXPERIENCE

CERN Quarknet Internship with Dr. Mike Sokoloff

Summer 2016 – Fall 2016

- Isolated the mass of the positively-charged charmed lambda baryon
- Gained experience with C and C++ in the ROOT Framework

Genetics Research in the Lab of Dr. Alex Feltus

Summer 2018-Present

- Optimize genome compression with Python, PBS scripts, and zfp to expedite genome sequencing and reduce storage needs

HONORS AND AWARDS

University Innovation Fellow Candidate

Fall 2018 - Present

- Selected for candidacy to Stanford University’s nationwide network of students actively promoting innovation

ACTIVITIES AND INVOLVEMENT

CUhackit

Fall 2017 – Present

- Planned event technology and logistics and facilitated in-event activities and workshops

IT Student Advisory Board

Fall 2017 – Present

- One of twelve appointed campus-wide voting members
- Responsible for allocating \$500,000 yearly to fund student technology projects

UNICEF

Fall 2017 – Present

- Volunteer at local schools and on-campus events to bring global citizenship awareness to the public

PROJECTS

Tensorflow

Spring 2018-Present

- Created tensorflow program to learn user-chosen color filtration of CIFAR image dataset minimizing feature loss
- Utilized tensorflow to make prediction algorithm for NBA regular-season wins

Twitter

Summer 2018-Present

- Used Twitter’s API to make archiving script for all original-content tweets of any user

SPECIAL SKILLS

Programming

- Fluent in Python, Java, C, C++, Javascript, PhantomJS, and HTML, Tensorflow

Design

- Experienced in Photoshop, AutoCAD, and Solidworks