

HUMPHREY OBUOBI

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EDUCATION

Harvard College Class of 2018 • GPA: 3.5 / 4.0

Bachelor of Science Candidate in Bioengineering (focus in Electrical Engineering), Secondary Field in Computer Science

The Woodlands College Park High School Class of 2014 • GPA: 3.98 / 4.0

SAT: 2320 / 2400 (730 Math, 790 Critical Reading, 800 Writing), **SAT II:** 800 Math II, 800 Chemistry, 790 Biology

EXPERIENCE

IDEO CoLab

Fellow (January 2017)

One of 40 individuals selected from an international pool of 800 students and professionals to join IDEO in designing and prototyping products in the human centered design framework.

Microsoft

Program Management & Software Engineer Intern (May 2016 - August 2016)

Led a team of interns in the Office Experience Organization to research and build user models around student productivity, then built features around that research using C# and XAML on the Windows Platform Foundation model.

Springboard Design Club

Vice President (April 2016 - present)

Coordinated efforts to enhance the human centric design community at Harvard, directing a board of students to organize workshops, projects, etc. for 100+ students. Worked with various organizations on projects ranging from increasing charitable giving to improving processes at a student laundromat.

HackHarvard

Head of Design (October 2015 - present)

Managed logistics and graphic design for Harvard College's first Major League Hacking sponsored hackathon. As Head of Design, took on the task of rehauling the visual brand of the hackathon and digital assets, including the website (<http://hackharvard.io>).

Microsoft Student Partners

Partner (August 2015 - present)

Held a series of workshops on web development for the Harvard community to increase the technological literacy of the student population. Also volunteered in various Microsoft events and efforts, from Hour of Code to a NSBE chapter event.

FEATURED PROJECTS

Facebook Messenger Data Visualization *with P. Pan and K. Zhang*

Created a series of data visualizations based on all of a person's archived Facebook messages. Built using HTML, CSS, and JS.

Energy Explorer (<http://abbott-energy-explorer.herokuapp.com>)

Designed and built a web application/data visualization for energy costs and distribution for Abbott Pharmaceutical in Taiwan.

RESEARCH

Wyss Institute for Biologically Inspired Engineering at Harvard University

September 2014 – present. Principal Investigator: Jennifer A. Lewis, PhD

Created MATLAB scripts to 3D bio-print tissue constructs for the investigation of various biological processes, including drug reactivity and wound healing. Published a paper on 3D bioprinting of perfusable kidney tubule models in Scientific Reports.

Bioscience Research Collaborative at Rice University

June 2014 – August 2014. Principal Investigator: Jordan Miller, PhD

Assisted with the production, analysis, and optimization of CO₂ laser-ablated PDMS microwells.

Analyzed in-lab problems and engineered mechanical solutions for in-lab problems using computer aided design and 3D fabrication.