

Eni J. Asebiomo

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Education

Stanford University

Graduation - June 2018

- B.S. in Computer Science - Human Computer Interaction
- Senior Year: CS - Principles of Computer Systems, Advanced Algorithms, Intro to HCI, HCI Design Studio, Web Applications
- Junior Year: Engineering; Dynamics, Mechanical Systems Design, Mechatronics, Differential Equations; CS - Probability for Computer Scientists, Mathematical Foundations of Computing, Intro to Smart Product Design
- Sophomore Year: CS - Computer Systems from the Ground Up (C, Assembly, Raspberry Pi); Engineering - Solid Mechanics, Mechanics of Materials, Fluid Mechanics, Intro to Mechanical Engineering Design
- Freshmen Year: CS – Programming Methodology (Java), Programming Abstractions (C++); Math – Multivariable Calculus; Engineering – Intro to Circuits; Physics – Mechanics, Electricity and Magnetism, Light and Heat

Experience

Intuitive Surgical - Test Engineering Intern

Sunnyvale, CA

June 2017 - August 2017

- Gained knowledge and understanding in designing and maintaining a complex, large scale, mass manufactured robotic system, as well as the underlying software system by implementing functions that automatically detect errors during testing
- Designed and improved the testing setup procedure which increased the overall effectiveness of the testing process

Autodesk - Applied Innovation Intern

San Francisco, CA

June 2016 - August 2016

- Created a levitating LED lamp and robotic octopus using 3D printed materials, with micro controller and bluetooth controls
- Analyzed Fusion 360's parametric, sculpting, scripting, and CAM abilities, to report to CEO Carl Bass and Fusion 360 Team.
- Trained in Fusion 360 and all machining tools at Pier 9; 3D Printing, Laser Cutting, CNC, wood-working, metal-working

Twitter - Software Engineering Intern

San Francisco, CA

June 2015 - August 2015

- Designed and implemented a web based feature using Flight JS, HTML templating, SUIT CSS and Scala
- Developed skills maintaining production quality code, navigating through and adding to a large code base

Skills

Software: C, C++, Matlab, Git, Python, HTML, CSS, Java, Assembly, Javascript, Scala, C# | **CAD:** Fusion360, SolidWorks, AutoCAD | **Hardware:** Laser Cutting, 3D Printing, Basic Shop Experience, Metalworking, CNC

Projects

Ambulamp - Designed and created an interactive smart display that utilizes a wifi-enabled micro controller to automatically pull Fitbit data from the web and illuminate according to fitness goals. *Stanford ME216M June 2017*

Mechatronic Robot - Designed and constructed a four omni-wheel robot that was spatially aware, could detect IR signals and shoot nerf balls at pre-designated targets. Competed and won 2nd place out of 28 teams. *Stanford ME218 April 2017*

Bipedal Robot Bird - Designed, built and tested a compact biomimetic robotic bird that could walk across rough terrain using one motor and two 4-bar linkages. Compiled an extensive report of design and performance. *Stanford ME112 CA April 2017*

Bare Metal Raspberry Pi OS - Implemented a minimal operating system from scratch on a Raspberry Pi in CS107E - Computer Systems from the Ground Up *Stanford University CS107E - February 2016*

ChocoBot 1.0 - Modified a PrintrBot 3D printer to extrude molten chocolate - *Robotics Club* *Stanford, CA May 2015*

Awards/Honors

- 2014 Gates Millennium Scholar
- 2014 National Achievement Scholar
- Augusta's Best & Brightest Student 2014

Activities

- NSBE – National Society of Black Engineers
- Sigma Phi Epsilon Fraternity VP of Communications '17
- Stanford Undergraduate Senator: '14 - '15
- Residential Advisor in an Undergraduate Dorm '16 - '18