Eni J. Asebiomo

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Education

Stanford University **September 2014 - Present**

- B.S. in Computer Science - Artificial Intelligence; Minor in Mechanical Engineering - focus in Mechanical Design — July 2018
- Junior Year: Engineering; Dynamics, Mechanical Systems, Mechatronics, Differential Equations; CS - Computer Systems (C), Probability for Computer Scientists, Mathematical Foundations of Computing,
- 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

Westside High School *11^{th} – 12^{th} Grade* **August 2012 - May 2014**

- GPA – 4.0/4.0, Class Rank – 1/188, Class of 2014 Student Body President, 13 Advanced Placement Classes

Projects

Bare Metal Raspberry Pi OS *CS107E - Stanford, CA* **February 2016**

- Implemented a minimal operating system from scratch on a Raspberry Pi in CS107E - Computer Systems from the Ground Up
- Used C, Assembly, Git to write programs that handled keyboard input and interrupts, implemented HDMI output graphics framebuffers, a minimal console, a memory allocator and a version of C's standard library printf function - all from scratch

ChocoBot 1.0 *Robotics Club - Stanford, CA* **May 2015**

- Modified a PrintrBot 3D printer to extrude molten chocolate

Experience

Autodesk - Applied Innovation Intern *San Francisco, CA* **June 2016 - August 2016**

- Prototyped a 3D printed and magnetically levitating LED lamp for small project, and crafted a 16 DoF robotic octopus for large project using three different 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.
- Obtained full certification in Fusion 360, and all machining tools at Pier 9, including: 3D Printers (FDM, Resin based), Laser Cutters, CNC, wood-work, metal-work

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

Stanford Robotics Club Co-President *Stanford University - Stanford, CA* **April 2015 - Present**

- Worked with the Leadership Team to manage active projects; built and deployed the club website as the Webmaster

Minority Introduction to Engineering and Science (MITES) *MIT - Cambridge, MA* **June - July 2013**

- Established a basis for Calculus, Chemistry, Engineering Design and Physics in a collegiate atmosphere at the MIT
- Achieved Spirit of The Class awards in both Physics and Engineering Design for exemplifying class spirit and camaraderie

Skills

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

Awards/Honors

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

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 - '17