

Anika MUKHERJI

PERSONAL

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EDUCATION

Current
AUGUST 2015
GPA: 4.0/4.0

COMPUTER SCIENCE/NEUROSCIENCE- "MINDS AND MACHINES" B.S.
Duke University- Durham, NC
Dean's List with Honors every semester
Relevant Coursework: JS/HTML/CSS (Coursera), Data Structures and Algorithms, Computer Architecture, Discrete Math for CS, Intro to Artificial Intelligence, Computer Architecture, Building Ethics into Artificial Intelligence

WORK EXPERIENCE

MAY 2017
- NOV 2017

iOS Software Engineer, VIDA HEALTH

- Building the 1.0 Vida iOS app (for release in fall 2017) on a team of four.
- Redesigned the task list and created 3 metric input screens from scratch.
- Introduced the entirely new paradigm of weekly frequency to the tasks - both UI and algorithmic work - that will significantly affect how users interact with the app.
- 100% of my software was shipped into production. Closed over 55 PRs over the course of the summer as in intern. Continuing on into the fall as a part time software engineer.

JAN 2017
- MAY 2017

Research Assistant Software Development at Hoff Lab, DUKE UNIVERSITY

- Spearheaded an open source software project, one that created a new R package to interface between Arduino and R.
- Lead my team of peers as we laid down the framework, basic functionality, and documentation, which is to be embellished upon in coming years.

AUG 2016
- MAY 2017

Researcher at Glickfeld Lab, DUKE UNIVERSITY
Computational Modeling

- Devised and carried out an independent research project modeling the dynamics of synaptic circuits in the visual cortex using Python.
- Developed a model with the flexibility to test any neuronal architecture with custom dynamics. The project was very self-guided and involved an enormous amount of side research and learning on the fly.
- Wrote a final scientific paper on my findings then transitioned results and future visions for the project to new team members for continued development after the semester ended.

FALL 2016

Calculus II and Applications TA, DUKE UNIVERSITY

- Taught the lab section of an advanced Calculus II course for 30 students.
- Held regular office hours for all class sections.

Activities

Wiring with Women Exec Board
Duke Technology Scholars
Rewriting the Code
Club Tennis President
Duke Admissions Tour Guide

Skills

Java ★★★★★
iOS - Objective C, Swift ★★★★★
Python ★★★★★
JS/HTML/CSS, React ★★★★★
C ★★★★★

Interests

Duke Basketball
Photography
Reading String Theory Books
Power Lifting