

# Anshu Dwibhashi – CV

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anshudwibhashi@gmail.com

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## Education

### DUKE UNIVERSITY – MASTER OF ENGINEERING

AUGUST 2021 - MAY 2022

**GPA: 4.00**

**Major:** Electrical and Computer Engineering (Software Development Concentration)

**Teaching assistantships:** ECE 560 (Computer and Information Security), ECE 553 (Compiler Construction), ECE 458 (Engineering Software for Maintainability)

**Awards:** Excellence in Master's Studies Award (2021-2022 Academic Year) - awarded to the student with the topmost GPA with contributions to the department being the tie-breaker.

### DUKE UNIVERSITY – BACHELOR OF SCIENCE IN ENGINEERING

AUGUST 2017 - MAY 2021

**GPA: 3.79**

**Majors:** (1) Electrical and Computer Engineering, (2) Computer Science

**Certificate:** Innovation & Entrepreneurship

#### Awards and Honors:

- Graduation with Departmental Distinction (ECE)
- Charles R. Vail Memorial Outstanding Undergraduate Teaching Award for 2020 - 2021
- TA Citation for ECE 250 (Computer Architecture): Fall 2019, Spring 2020
- Outstanding TA Award: 2019 - 2020 Academic Year
- Dean's List with Distinction (4.0 Term GPA): Fall 2018, Fall 2019 (*Note: I earned a 4.0 Term GPA in Fall 2020 and Spring 2021 as well, but Deans List was suspended due to COVID-19*)
- Provost Scholar
- President of the House Council (Washington Duke Inn) – Fall 2020, Spring 2021

**Thesis for Graduation with ECE Departmental Distinction:** Multi-Resource Adaptive Computational Sprinting

## Research Experience

- **Summer 2019:** Worked with Dr. Ben Lee as an undergraduate researcher researching computational sprinting methods. Spent most summer reading papers, reproducing results and ideating a hybrid computational sprinting mechanism.
- **Fall 2019:** Built a rudimentary version of hybrid computational sprinting mechanism from Summer 2019 for Duke ECE 552 final project.

- **Spring 2020:** Continued independently researching computational sprinting methods. Occasional meetings with Yuhao Li (PhD advisee of Dr. Ben Lee) to exchange ideas.
- **Fall 2020, Spring 2021:** Continued computational sprinting research as an Independent Study advised by Dr. Drew Hilton. Built a more sophisticated multi-resource computational sprinting mechanism that consistently yielded better speedups than state-of-the-art DynaSprint.

## Work Experience

### AMAZON ROBOTICS – SDE II

DECEMBER 2023 - PRESENT

SDE II in the Advanced Technologies (Robotic Applications) org.

### AMAZON ROBOTICS – SDE I

MAY 2022 - DECEMBER 2023

SDE I in the Advanced Technologies (Robotic Applications) org. Worked on cloud-orchestration software controlling robotic fleets of magnetically propelled shuttles that sorted items.

### BUCKLEAF, INC. – FOUNDER, CEO AND SOFTWARE ENGINEER

MAY 2021 - MAY 2022

- Founded a startup called Buckleaf, whose main product was a textbook streaming application like Spotify for textbooks.
- We applied to Y Combinator for funding. We were invited for an interview but not ultimately accepted. We were told we were in the top 10% of teams they invited that funding cycle and that we should apply again in the future.
- We shut down Buckleaf in May 2022 as we were making slower progress with publisher deals than we were losing customers.

### AMAZON ROBOTICS – SDE INTERN

SUMMER 2020, SUMMER 2021

- Software engineering intern on the Amazon Robotics Mobile team for two summers.
- Summer 2020: Completed original project goals (including stretch goals) in ~7 weeks. Worked on additional features (motivated by customer feedback) for the remainder of 13-week internship.
- Summer 2020: Presented working product to Director of Software at Amazon Robotics upon manager's request.
- Summer 2021: Worked on a larger-scale project with a co-intern.

### DUKE UNIVERSITY – HEAD UNDERGRADUATE TA

JANUARY 2020 - MAY 2021

Head UTA for Intro to Computer Architecture, the largest ECE/CS class (by enrollment) at Duke at the time.

## SUP – FOUNDER, CEO AND SOFTWARE ENGINEER

JUNE 2016 - SEPTEMBER 2018

- Founded a startup called Sup: an app that is a hub for all your communications + allows you to create "Sup Bots" that send posts onto your feed (e.g. when your packages arrive, flight updates, stock updates, etc.)
- Pitched it at TechCrunch Disrupt in 2016, and it was featured in a Geekwire article.