

DHRUV MEHRA

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EDUCATION

Georgia Institute of Technology, Atlanta, GA
Candidate for Bachelor of Science in Computer Science
Threads: Systems Architecture and Intelligence
Languages: English, Hindi, French

August 2014 – present
Expected Graduation: May 2018
Cumulative GPA: 3.75 (Dean's List and Faculty Honors)
Credits completed: 92 credit hours

EXPERIENCE

Software Engineering Intern at UserIQ | Atlanta, GA

A customer growth platform that helps display in-app messages and tours to customers, while providing insight on user behavior.

- Wrote the Salesforce integrated prospecting tool used by interns to scout leads.
- Built the demo app used by Sales team to demonstrate UserIQ's product to customers.
- Automated the deployment and shutting down of app instances on Heroku.
- Added Time Zone support for UserIQ app and migrated backed from Rails 3 to Rails 4.

September 2016 – present
Part Time

May 2016 – August 2016
Full Time (14 weeks)

Software Engineering Intern at Butterfly Interactives | New Delhi, India

A marketplace app for activities for kids and adults.

- Worked on an Android app that lets parents schedule, find and book activities for kids.

June 2015 – July 2015
Full Time (8 weeks)

Student Assistant at ECE Department, Georgia Tech | Atlanta, GA

- Wrote a python script to generate annual performance graphs of faculty members given their performance data.

March 2015 – May 2016
Part Time (44 weeks)

LEADERSHIP, PROJECTS and RESEARCH

Georgia Tech Solar Home | Personal Team Project

A net zero energy and water consumption house being built for Atlanta.

- Computing Team lead from Spring 16 to Fall 16 and member in Spring 17.
- Working with team to design and build the IoT platform for the house.

November 2015 – present

Classification of Dance forms | Team Research under Dr. Irfan Essa

Classifying a dance into a known dance forms using Computer Vision techniques.

- Responsible for generating skeletal overlay in each dance video clip.
- Researching tools used: Python, TensorFlow, OpenCV.

December 2016 – present

Computer Architecture | CS2200 project

Simulated several key features of a modern OS and processor.

- Built a 5-stage pipelined processor on Logisim.
- Simulated a 2 level fully associative cache and set associative cache in C.
- Simulated virtual memory with multi-level page tables in C.
- Implement a multiprocessor scheduler using Linux pThreads library in C.

August 2016 – December 2016

Atlas | Personal Team Project

A location based social networking platform.

- Tools used: Python Django, Android, OpenMap, AWS.

December 2016 – present

Oreatan | Personal Team Project

A lost and found system built for Georgia Tech in collaboration with GT Police Dept.

- Tools used: Ruby on Rails, PostgreSQL, Bootstrap, Heroku.

August 2015 – December 2015

Sunshine | Personal Project

An Android weather app just made for fun.

December 2015

SKILLS

Proficient: Python, Java, C, Ruby, Javascript, Android, Linux, git, Typescript, Ruby on Rails, Heroku, MATLAB, Processor Design.

Exposed To: Multithreading, Junit, SQL, TensorFlow.
Learning: Haskell, OpenCV, Swift, iOS.

RELEVANT CLASSES

Data Structures and Algorithms	Design and Analysis of Algorithms	Object Oriented Design	Machine Learning	Artificial Intelligence	Processor Design
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