

# Apoorva Dhanala

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## EDUCATION

**The University of Georgia**, Honors Program, Athens, GA August 2018- May 2022  
**Major:** B.S Computer Science, Artificial Intelligence Emphasis **Major GPA:** 4.00/4.00  
**Minor:** Cognitive Science, Psychology and Artificial Intelligence Emphases **GPA:** 3.80/4.00  
**Honors and Awards:** Center for Undergraduate Research Opportunities (CURO) Assistantship, Honors Program (Top 5% of class), FIS Scholar, UGA Dean's List, UGA Albright Scholarship for Outstanding Computer Science Student

**Northview High School**, Johns Creek, GA Graduation: 2018  
**Honors and Awards:** National Merit Commended Scholar, FIS Scholar, Sawnee Foundation Youth Scholar

## INTERNSHIPS

**Google STEP Software Engineer Intern** May 2020-August 2020

- Working on the Core and Identity Infrastructure team redesigning the backend in Java for Google's security authentication feature

**University of Georgia CURO Honors Research Scholar** January 2020-May 2020

- Developing an Android application focused on activity recognition using various sensors from wearables, particularly the accelerometer.

**National Institute on Mental Health Data Analytics Programming Research Intern** June-August 2019

- Worked with Python and Jupyter Notebook to efficiently create an analysis pipeline for data from the Forced Swim behavioral test

**University of Georgia CURO Honors Research Scholar** January 2019-May 2019

- Worked on documentation in an AI project focused on analyzing the relation between FMRI data of subjects being read *The Little Prince* and the semantic meanings of its' words

**National Institute on Drug Abuse Summer Research Intern** June-August 2017

- Performed statistical analysis using MATLAB on data that records neuronal firing rates in the rats' brains

**Georgia Institute of Technology Research Intern** May 2016-May 2017

- Performed dry lab quantification and data analysis on two NIH grant projects
- Wrote as a junior co-author on our publication in the Journal of Alzheimer's Disease

## PROJECTS & PUBLICATIONS

### Class Projects

- Enhanced iTunes search engine, 2048 and Frogger game: Created a user-friendly Arcade App containing the games 2048 and Frogger in Java.

### Publications

- "Biomarker level correlation with cognitive decline in preclinical Alzheimer's disease: amyloid-beta versus tauopathy", in *Journal of Alzheimer's Disease*, Vol. 61, pp. 265-281, 2018

## SKILLS

**Relevant Coursework:** Introduction to Computing and Programming, Software Development, Systems Programming, Human Computer Interaction, Discrete Mathematics, Data Structures, Introduction to Theory of Computing

**Technical Skills:** Java, C++, Python, MATLAB, Microsoft OS

## LEADERSHIP & RELEVANT EXPERIENCE

**Girls Who Code at UGA President and Founder** Present

- Started a local chapter of Girls Who Code at the University of Georgia focused on partnering with local schools to introduce girls to the field of Computer Science in hopes of sparking an interest and getting them involved in STEM

**Georgia Recruitment Team Student Ambassador** Present

- Serve as an ambassador for the University of Georgia Admissions office with responsibilities such as hosting students, speaking on panels, and touring groups

**Honors Program Student Council Member** Present

- Serve as liaison focused on increasing communication and interaction between the Honors Program faculty and students

**Athens Prison Tutorial Tutor** Present

- Tutor prison inmates at the Athens-Clarke County Jail to help them take and pass their GED's