

Mohnish Pai

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EDUCATION

Texas A&M University

Engineering Honors - Bachelor of Science in Computer Engineering
Department of Computer and Electrical Engineering

College Station, Texas

May 2023

Cumulative GPA: **3.78**

Relevant Courses: Computer Architecture, Digital Circuits, Signals and Systems, Data Structures and Algorithms

Texas Academy of Mathematics and Science (University of North Texas)

High School

Graduated with Honors Diploma

Graduated with National Honor Society Diploma

Denton, Texas

August 2018 – May 2020

Cumulative GPA: **3.83**

PROFESSIONAL EXPERIENCE

Software Development Intern

College Station, Texas/Denver, Colorado

Conference Management Services (CMS)

May 2022 – August 2022

- Designed webpages in HTML and PHP for IEEE conferences using Bootstrap framework
- Managed 100+ online and hybrid IEEE conference meetings through Zoom
- Organized SQL databases with 10000+ registrants and payment details
- Provided technical assistance to professors, Ph. D students, and IEEE executives during AP-S/URSI 2022 conference

Undergraduate Research Student (Dr. Jiang Hu Research Laboratory, Department of Electrical & Computer Engineering, Texas A&M University)

College Station, Texas

June 2021 – Present

- Assisted in developing a deep neural network NoC implementation for higher throughput and lower power consumption
- Determined placement for modules in the DNN chip design to minimize wire length and cost
- Communicated with a team to implement a design flow
- Obtained a \$4000 ECEN Department Scholarship for contributions towards research project

Undergraduate Research Student (Dr. Oliver Chyan Research Laboratory, Department of Chemistry, University of North Texas)

Denton, Texas

January 2019 – May 2020

- Investigated fundamental projects relevant to semiconductor processing and microchip fabrication
- Developed a novel chemical solution which regenerates to its original state after being used for copper etching
- Communicated with Intel chemical engineers to determine goals for regenerative etching solution
- Acquired \$4000 TAMS Summer Research Scholarship for on-campus research

LEADERSHIP & INVOLVEMENT

Scope Research

College Station, Texas

Undergraduate Director

December 2020 – August 2021

- Lead undergraduate research students to guide high school students through research process
- Recruited 20+ undergraduate and graduate students throughout A&M to volunteer as mentors
- Collaborated with 27 A&M research organizations to introduce more students towards research and mentorship process

SKILLS

- Coding experience in C++, Python, HTML, Javascript, SQL, and Verilog
- Experienced in working independently as well as in goal-oriented teams
- Managing stock portfolios and real-life assets

AWARDS & HONORS

TAMU Research Scholarship

- Received from A&M as part of Dr. Jiang Hu's deep neural network NoC research project

TAMS Summer Research Scholarship

- Accepted from TAMS as part of Dr. Oliver Chyan's research team investigating semiconductor chemistry

3rd Place Plaque for The Stock Market Game (DECA International)

- Achieved 3rd place in competition out of 30 universities internationally