

Pranav Manem

332325 Georgia Tech Station • Atlanta, GA 30332
(678) 879-3248 • pranavmanem@gatech.edu • U.S. Citizen

OBJECTIVE

Bachelor of Mechanical Engineering degree candidate with a minor in Industrial Design seeking an instructional internship for the Summer or Fall of 2017.

EDUCATION

GEORGIA INSTITUTE OF TECHNOLOGY, Woodruff School of Mechanical Engineering
B.S. in Mechanical Engineering

Atlanta, Georgia
Aug 2014-Present

- GPA: 3.43
- Anticipated Graduation: Spring 2018

GEORGIA TECH LORRAINE STUDY ABROAD

Metz, France
January 2016 – May 2016

- Gained intercultural experience in 12 countries while taking 12 credits of coursework.
- Adapted to an unfamiliar environment with minimal knowledge of the language.

EXPERIENCE

Georgia Tech PARK Lab

Atlanta, Georgia
January 2017-Present

Research Assistant

The GT PARK Lab focuses on cognitive, industrial, and organizational psychology pertaining to workplace learning and performance.

- Organizing, coordinating and running psychological study sessions for a research related to Unmanned Aerial Systems.
- Assessing the abilities and traits regarding motivation, interests, and background to develop a set of classification tools for the Navy.

AIIESEC-GT

Atlanta, Georgia
January 2017-Present

Customer Experience Manager

AIIESEC is the largest youth-led network that promotes peace and the fulfilment of humankind's potential.

- Helping youths intern and volunteer abroad to enable cross cultural experience.
- Assisting international participants assimilate into American culture while they intern locally.

Engineers for a Sustainable World

Atlanta, Georgia
January 2017-Present

Design Team Member

ESW – GT is a non-profit organization that promotes sustainable solutions to global problems.

- Designing a mobile solar-powered charging station.

Engineering for Social Innovation Research

Atlanta, Georgia

Design Team Member

August 2015 -December 2016

Designing a shoe manufacturing process for the community of Marsabit, Kenya.

- Designed a shoe from corn husks for the Rindelli Tribe to minimize the effect of chiggers on the population.

Research Student

Research on Active Seating with the Rehabilitation Engineering and Applied Research Laboratory

- Research for the improvement of active and dynamic seating in wheelchair applications for cerebral palsy patients.

Engineers without Borders GT

Atlanta, Georgia

Member of Uganda Team

September 2015-December 2015

EWB-GT is a chapter of Engineers without Borders that designs sustainable products for underdeveloped communities.

- Improved the infrastructure for water distribution for the community of Olloo in Uganda using a system of water tanks and pipes.

Digital Scientists

Alpharetta, Georgia

Software Intern

August 2013-May 2014

Digital Strategy, Innovation Consulting and Product Development

- Managed and organized highway exit data for the Roadninja mobile application.
- Created the Milton HS Job Board Website.

SKILLS/ACTIVITIES

Applications: Autodesk Inventor, GitHub, Microsoft Office, Blender, Solidworks, Adobe Illustrator, Adobe Photoshop
Programming: Java, HTML, CSS, Javascript, Google Script, MATLAB, Labview
Instrumentation: Drill Press, Lathe, Hand Tools, Oscilloscope Function Generator, Chop Saw, Soldering
Interests: Design Engineering, Rock Climbing, Robotics, Psychology, Weight Lifting

SIGNIFICANT PROJECTS

Micro-Car Interior Design

Fall 2016

Designed the interior of a microcar utilizing Human Factors principals.

- Gained experience with 3D CAD, prototyping, and technical reports with regards to Human Factors Engineering and Design.
- Worked in a group of 3 to design the entire interior of a 4 seater micro car utilizing anthropometric data of the 5th and 95th percentile human.

ME 2110-Creative Decisions and Design

Summer 2016

Created, designed, and programmed a machine to partake in the GT challenge: "The Georgia Tech Experience" in six weeks.

- Gained building, programming, mechatronics, and teamwork skills.
- Obtained experience using engineering tools, charts, and writing technical papers pertaining to Engineering Industry Standards.

Introduction to Engineering Graphics and Visualization

Fall 2014

Designed a rendition of the Batmobile Tumbler

- Gained technical drawing and 3D CAD experience with Autodesk Inventor.
- Collaborated with a group of 5 to create a 40+ part assembly.