NABID FARVEZ

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EDUCATION

GEORGIA INSTITUTE OF TECHNOLOGY, *Atlanta, GA* (Anticipated Spring 2022)

- **Bachelor of Science in Computer Engineering,** GPA: 4.0
- **Stamps President's Scholarship** (Top 1% of college applicants)

Relevant Coursework: Java (*OOP*, *Data Struct & Algorithms*), Python (*Intro Computing, Data Manipulation for Engineers*), *Digital Systems Design*

EXPERIENCE

GT SCHOOL OF PHYSICS, *Atlanta, GA* (Fall 2019 – **Present**)

Undergraduate Teaching Assistant

- TA for Physics 2211: Newtonian mechanics with lab focus on modeling with Python
- Explain physical phenomena and supervise lab execution in room of 30+ students
- Grade and provide feedback to students on weekly quizzes

INTERDISCPLINARY DESIGN COMMONS (IDC), *Atlanta, GA* (Fall 2019 – **Present**)

Peer Instructor

- Maintain student-run electronics makerspace on college campus
- Trained in equipment: 3D printer, laser cutter, and electronic benchtop tools
- Troubleshoot and aid users with their projects and using equipment

BIOMEDICAL MICROSYSTEMS LAB, *Atlanta, GA* (Spring 2019 – **Present**)

Undergraduate Research Assistant

- Automated microscope scanning of cells using Python and OpenCV
- Constructed fluid-pump system using Arduino-controlled solenoid valves

KIDS 4 CODING, *Lawrenceville, GA* (Summer 2019)

Instructor

- Taught courses in Python, Web Development, Game Design, Robotics, and Circuitry
- Curated lesson plans for technical concepts as well as careers in computer science
- Managed and supervised classroom of 16 kids from ages 8 to 15

CISCO SYSTEMS*, Lawrenceville, GA* (Summer 2017)

STEM Extern

- Competed in Smart & Connected Communities capstone research project (*2nd Place*)
- Trained in basics of product failure analysis equipment as material science lab assistant
- Designed Python script to read text files and feed hex values into FPGA device

PROJECTS

BME ROBOTICS (Fall 2018)

Hospital Rover – *Electronics Lead*

- Designed circuitry and coded Arduino in subset of C++ to control motors and sensors
- Modeled drafts of robot chassis in SolidWorks for prototyping and 3D printing
- Reported on weekly progress updates to other teams at general club meetings

SKILLS

Programming: Python, Java, C#, MySQL, HTML & CSS, Unity Game Engine
Electronics/Tools: Soldering, Breadboarding, Oscilloscope, Laser Cutter, Arduino
Modeling/Design: SolidWorks, Blender, Google SketchUp
Language: English, verbal Bengali, elementary Spanish

LEADERSHIP

IEEE: ENGINEERS IN MEDICINE AND BIOLOGY SOCIETY (2018 – **Present**)

Secretary *of GT Chapter*

- Take meeting notes and aid in planning workshops exploring various field of biotech