

Alishan K. Kaisani

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OBJECTIVE

To obtain a summer 2018 internship that will allow me to combine an engineering perspective with computer science skills

EDUCATION

Georgia Institute of Technology, Atlanta GA

Expected Graduation: May 2019

Major: Chemical and Biomolecular Engineering

GPA: 3.65

Minor: Computer Science (Information and Internetworks thread)

Relevant Coursework: Object-Oriented Programming, Computer Systems and Networks, Introduction to Database Systems, Organic Chemistry I & II, Synthesis Laboratory, Polymer Science and Engineering I

WORK/RESEARCH EXPERIENCE

Georgia Tech Hess Group Laboratory, Atlanta GA

Aug 2017 – Present

Undergraduate Research Assistant

- Investigation of thin film coating processes related to surface modification of materials for electronics applications
- Leading a study on the influence of color-dyes on the solid-liquid contact angle in surface modification experiments
- Will design experimental methods and collect contact angle data of dyed liquids on super hydrophobic surfaces

Georgia Tech Vertically Integrated Projects Program – BeeSnap, Atlanta GA

Jan 2017 - Present

Team Researcher

- Contributed to Agile development of educational web-app on collecting big data about bee-flower interactions
- Designed user interface (HTML/CSS) and integrated camera functionality (JavaScript - Angular/Node.js)
- Created and connected a database (mariadb/SQL) on Georgia Tech servers to the web application

Comprehensive Business Accounting, Norcross GA

May 2016 – Aug 2016

Administrative Assistant

- Expedited business operation by designing a schedule of meetings and appointments for employees
- Keyed in data (MS Excel) for relevant business documents to streamline day to day business practices

Piedmont Hospital – Biomedical Engineering Department, Atlanta GA

Aug 2014 – Dec 2014

Student Intern

- Facilitated operation of biomedical equipment and assisted technicians in troubleshooting faulty equipment
- Expedited completion of monthly quota of equipment fixes – i.e. 100 infusion pumps/month
- Provided customer service to visitors, patients, and other medical professionals within the hospital

AWARDS/HONORS

Zell Miller Scholarship Recipient, Georgia Tech

2015 – Present

Dean's List, Georgia Tech

2016 – 2017

Faculty Honors, Georgia Tech Chemical Engineering Department

2015

Georgia Governor's Honors Program Alumnus, Valdosta GA

2014

SKILLS/INTERESTS

Software Skills: Aspen, Linux, Git/GitHub, MS Word, PowerPoint, Excel – (Excel Solver, regression analysis)

Languages: Spanish (Proficient), Hindi, Urdu (Conversational)

Programming: Java, MATLAB, Python, C, SQL (Familiar), HTML/CSS, JavaScript – Angular, Node.js (Familiar)

Interests: Discrete Mathematics, Powerlifting, Music (9 years – Percussion)

ACTIVITIES

American Institute of Chemical Engineers, Member

2015 – Present

Georgia Tech Barbell Club, Member

2016 – Present

Georgia Tech Housing Intramurals (Flag Football)

2015 – Present