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SRAVYA VISHNUBHATLA

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EDUCATION

Massachusetts Institute of Technology

Cambridge, MA

Candidate for Bachelor of Science Degrees in Computer Science and Molecular Biology; GPA: 5.0/5.0

2013–2017

DuPont Manual High School

Valedictorian • Weighted GPA: 4.6 • ACT: 35

Louisville, KY

2011–2013

WORK EXPERIENCE

BodyMedia

Pittsburgh, PA

Data Researcher and Software Tester

Summer 2013

- Applied BI tool, Tableau, and data mining to define queries which elucidated patterns in activity, sleep, and food behavior of users
- Using patterns found, analyzed who could be regarded as successfully losing weight allowing for improved business strategies
- Executed software test procedures and tracked results for FDA regulatory submissions
- Ran tests within the office to provide experimental data for new clinical tests that may be of interest to pursue

GlowTouch Technologies

Louisville, KY

Project Management Intern

Summer 2012

- Led project to provide technology infrastructure for educational competition, called Amazing Global Marketplace (AGM), to promote interest in international business amongst high school students in Louisville
- Created web platform to consolidate resources and facilitate participant collaboration; collaborated with international team; led meetings and gave presentations to AGM executives

HiveDesk

Louisville, KY

User Experience Consultant

Summer 2012

- Assisted with goal of transforming trial customers into paying customers by analyzing and reporting on user interface and experience
- Performed market research through product use as well as communication with customers to improve product and increase revenue

RESEARCH

Kentucky Lions Eye Center

Louisville, KY

- Vishnubhatla S, et al. *Contact lenses and the rate of evaporation measured in vitro; the influence of wear, squalene and wax*. Contact Lens Anterior Eye (2012)

2011–2012

- Hypothesized that contact lenses may be associated with discomfort related to dry eyes due to an increase in the evaporation of tears
- Tested *in vitro*; after finding that rates of evaporation through contact lenses increased by 40%, worked to reverse the effect
- Squalene, a natural moisturizer and deficient in those with dry eye, decreases rate of evaporation by over 60% leading to a finding that could potentially revolutionize the contact industry and provide relief to those adversely affected by contact lens wear

Independent Computer Science Research—Seam Carving

Pittsburgh, PA

- Developed algorithm to improve graphics and advanced face recognition

Summer 2010

University of Pittsburgh—PhageHunter Program

Pittsburgh, PA

- Coded and characterized DNA to analyze its potential use as treatment for bacterial infections

2009–2010

LEADERSHIP

Science National Honors Society

2011–2013

Vice President

- Recruited members, organized volunteer opportunities, and managed meetings and presentations

Science Bowl

2010–2013

Team Captain

- Led team meetings, organized subject material for team, and helped train others in preparation for competition

Educational Program at Hindu Temple of KY

2012–2013

Founder and Instructor

- Taught over 80 students and raised \$4000 to date for Hindu Temple of Kentucky; graded tests and prepared educational materials

HONORS AND AWARDS

Intel International Science and Engineering Fair – International Finalist

May 2012

National Coca Cola Scholar

Jan. 2013

International BlackBerry Scholar

Jul. 2013

SKILLS

Java • Python