Matt Gaikema

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TexAgg

Objective

To obtain a Summer 2017 Internship in Computer Science.

Education

Texas A&M University   **College Station, Texas**
*Bachelor of Science in **Computer Science** and **Applied Mathematics**, 3.75/4.0*   *2014 - 2018*
University Honors Fellow

Skills

Languages: C++, Java, R, Mathematica, Javascript, PHP, C#, Python, LaTeX

Software: NodeJS, CMake, Git, Linux, ASP.NET MVC, Flask

Passed Actuarial Exam P: Scored 6/10

Work Experience

Department of Computer Science   **Texas A&M University**
Peer Teacher   *2016 - Present*
- Support six professors in their course load by mentoring and tutoring hundreds of students in computer science.
- Assist students one-on-one with debugging and analyzing their C++ programs in office hours.
- Selected to lead weekly review lessons on discrete mathematics.

Department of Mathematics   **Texas A&M University**
Research Assistant   *2015 - Present*
- Analyzed sound quality of vinyls from before and after RIAA standardization to improve sound quality in old recordings (2015).
- Discovered formula determining the total number of different transposition decompositions of a permutation cycle (2016).
- Developed a program to compute the entries and eigensystem of the integer partition matrix.

Department of Mathematics   **Texas A&M University**
Student Assistant   *2015 - Present*
- Graded homework and exams for multivariate calculus class of over 90 students.

Department of Mathematics   **Texas A&M University**
SMaRT Camp Counselor   *Summer 2016*
- Served as a counselor at a two-week math camp for twenty gifted high school students from around the country.
- Taught students how to make formal proofs and introduced them to advanced mathematics topics.

Leadership

Math Club
Webmaster   *2016 - Present*
- Created website for Math Club (main department student group) from scratch, using PHP.
- Maintain and update website, and communicate upcoming events.

Aggie Coding Club
Web Developer   *2016 - Present*
- Key member of the development team for the original website.

Champe-Fitzhugh International Honors Leadership Seminar
Participant   *Summer 2014*
- Selected as part of a competitive process to be one of 30 incoming Texas A&M student participants.
- Traveled throughout Italy and attended lectures and tours on Italian art, architecture, and culture.

Honors and Awards

Pi Mu Epsilon (Math Honor Society): (2015-2016)—Elected Webmaster

National Merit Scholar: (2014 - 2018)

Texas A&M President's Endowed Scholar: (2014 - 2018)

HackDFW: (2016) Won Ilumi SmartBulb prize by developing Android app which provided light therapy for different medical conditions by automatically controlling light color and intensity.

Math Fest: (2015) Selected by honors faculty to attend national math conference.