Peter Dulworth

Rice 2020 Math & Computer Science - peterdulworth.com

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EXPERIENCE

BreviTest Technologies LLC. — *Intern*

Summer 2014, 15, 16

For the past three summers I've interned at BreviTest Technologies LLC., a company that is developing a rapid, point-of-care device which accurately automates enzyme immunoassays. My role has been to work on the back-end (using the javascript MEAN stack) of a website which connects the device to both the users and the company.

EDUCATION

Rice University, — Math & Computer Science

August 2016 - May 2020

University of St. Thomas

August 2012 - May 2016

PROJECTS

Research Symposium

Developed and presented an original constructional proof of the following: Considering all possible shapes of simple closed curves with a fixed perimeter, a circle maximizes the area enclosed by the curve.

Hidden Markov Model POS Tagging

Developed a hidden Markov model approach to an important problem problem in the area of Natural Language Processing (NLP), namely the Part-of-speech Tagging (POS Tagging) problem.

SKILLS

Languages:
Javascript, Python, Java, C++, HTML, CSS, PHP.

CAD:
Autodesk Inventor, Solid Works, OpenSCAD.

RELEVANT COURSEWORK

Math & Science:
Calculus I, Calculus II, Calculus III, Differential Equations, Linear Algebra, Abstract Algebra, Real Analysis, Modern Geometry, University Physics I, University Physics II.

Comp:
Comp 140, Elec 220, Comp 182.

AWARDS

2016 VEX Robotics Math Finalist second place in the math division. Ranked #1 in robot efficiency out of over 14,000 teams

2013 VEX Robotics World Championship Runner Up second place out of over 12,000 teams at the 2013 VEX robotics world championships