Adith Balamurugan

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EDUCATION

U.C. BERKELEY
Bachelors in Computer Science
Bachelors in Statistics
Expected May 2018 | Berkeley, CA
Kraft Award for Freshmen 2015-16
Dean's List
Cum. GPA: 3.969

TEXAS ACADEMY OF MATH AND SCIENCE (TAMS)
(UNIVERSITY OF NORTH TEXAS)
Grad. May 2015 | Denton, TX
Summer Research Scholarship
National Merit Finalist
President's List
Cum. GPA: 4.0 / 4.0

LINKS

Github:// **addit112**
LinkedIn:// **abalamurugan**

COURSEWORK

UNDERGRADUATE
Calculus
Linear Algebra & Differential Equations
Real Analysis
Intro to Data Science
SICP
Data Structures
Machine Structures
Discrete Math & Probability Theory
Artificial Intelligence
Efficient Algorithms
Database Management
Machine Learning
Combinatorics & Randomized Algorithms

SKILLS

PROGRAMMING
Frequent Use:
Python • Java • JavaScript • LaTeX
HTML • Git • Unix • CSS
Familiar:
C • C++ • C# • R • Lisp/Scheme
iPython Notebook • Datameer • SQL

EXPERIENCE

JCPENNEY | Digital Analyst + Big Data Intern
June 2016 – August 2016 | Plano, TX
- Worked with Big Data Scrum team on Market Basket Analysis for the ".com" channel using analytic tools such as Datameer.
- Analysis on Customer Order trends to power more intelligent product suggestions and recommendations

TRULYMAD INC. | Data Entry + Analyst Intern
September 2015 – December 2015 | Berkeley, CA
- Uploading new products pages
- Research prior sales to determine optimal merchandise pricing and inventory for upcoming seasons.
- Assisted in Web Development and UI design.

UNIVERSITY / RESEARCH

STATISTICS 88 | Head Teaching Assistant
August 2016 – December 2016 | Berkeley, CA
Worked with Professor **Alexander D'Amour** . Responsibilities included holding office hours, editing course text, and writing and grading assignments and quizzes.

DATA 8 | Academic Intern (Tutor)
January 2016 – May 2016 | Berkeley, CA
Provided academic assistance and mentoring for enrolled students during labs, office hours, and project workshops.

3D TELE-IMMERSION LAB | Research Assistant
May 2014 – August 2014 | Richardson, TX (University of Texas, Dallas)
Researched under Dr. **Balakrishnan Prabhakaran** . Worked with Microsoft Kinect and Visual Studio, using C++ and C# programming with Unity. Explored the areas for improvement in remote medical practice using skeleton and mesh interactions in virtual space.

PROJECTS

ALLPAY | Secure Client-side Payment Gateway | Finalist
Money 20/20 Hackathon | October 2015 | Las Vegas, NV
Payment gateway using Vantiv API which works alongside shopping systems and accepts any mobile wallet.

SPEEDUP | Haptic Feedback for Appointment Keeping | Finalist
CalHacks 2.0 | October 2015 | Berkeley, CA
Haptic feedback in shoe if running late to appointment and are travelling by foot. The frequency of feedback is inversely related to tardiness.

LITERATURE

THEORY MEETS DATA | Co-Author | 2015-16
Statistics 88 Course Textbook | A Data Scientist's Handbook to Statistics