

Daniel A. Adler

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EDUCATION

Johns Hopkins University *Baltimore, Maryland*

Bachelor of Science in Biomedical Engineering and Applied Mathematics
Expected Graduation May 2016 | GPA: 3.91/4.00

SKILLS

Programming: Java, Python, MATLAB, SQL, HTML/CSS, C++, JavaScript, jQuery, R, Bash, PHP

Software: Microsoft Office, Photoshop, AutoCAD, SolidWorks

Interests: Big data, Human-centered design, Start-ups, Medical devices, Web design & development

FORMAL EXPERIENCE

PricewaterhouseCoopers (PwC) *New York, NY*

Intern - Advisory Analytics *June-August 2015*

- Creating machine learning based software packages for a large non-profit client in Texas

JHU Scheduling Group *Baltimore, MD*

Undergraduate Member - JHU Applied Math *May 2014-Present*

- Using computational algorithms in MATLAB to create schedules for the Johns Hopkins OBGYN clinic

The Wilmer Eye Institute *Baltimore, MD*

Web Assistant - The Dana Center *August 2014-Present*

- Designing and developing various websites to track faculty, research opportunities and events [see danacenter.org] using Human-centered design approaches

Fogarty Institute for Innovation *Mountain View, CA*

Intern - Materna Medical *June-August 2014*

- Designed and developed a new website targeted at women enrolling in Materna's clinical trials [see maternamedical.com]
- Performed verification testing on Materna device prior to use in a clinical setting

Kennedy Krieger Institute (KKI) *Baltimore, MD*

Student Researcher - Neuroscience Department *January 2013-June 2014*

- Performed sleep-scoring analysis on human and mouse EEG
- Wrote code in Python, MATLAB and R to perform EEG power analysis

HONORS AND LEADERHIP

President of Tau Beta Pi Engineering Honors Society Maryland Alpha Chapter

March 2015-Present

Must be in top-eighth of junior year engineering class to obtain eligibility

2015 JHU Applied Mathematics and Statistics Mathematical Modeling Prize Winner

March 2015

Awarded for developing scheduling models using integer programming methods [more above]

President and Co-Founder of Charles St. News

September 2013-Present

Founded new JHU student organization to create conversation on current event issues

Dean's List

December 2012-Present

Must obtain a semester GPA above a 3.5 to receive notation

ACTIVITIES AND SERVICE

THREAD Head of Family *February 2015-Present*

- Currently tutoring an inner city high school student for undergraduate education preparation

InnoWorks Curriculum Chair *September 2013-August 2014*

- Designed and implemented a science summer camp curriculum for inner-city Baltimore students

Hopkins Symphony Orchestra Percussionist *September 2012-Present*

Blue Key Tour Guide *January 2013-Present*