

Adrian Pearl

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Education

Johns Hopkins University, Baltimore MD

May 2016

- Bachelors of Science in Mechanical Engineering
- Cumulative GPA: **3.6** (Mechanical Engineering GPA: **3.6**)
- Extensive coursework in Economics including Econometrics (Economics GPA: **4.0**)
- Studied abroad in Madrid, Spain during Spring semester of 2015
- Recipient of the Vredenburg Scholarship for the summer of 2014
- Brother of Pi Tau Sigma, a Mechanical Engineering Honor Society
- Brother of Alpha Kappa Psi, a co-ed Professional Business Fraternity

Experience

Johns Hopkins University Mechanical Engineering Department, Baltimore, MD

September 2015 – May 2016

Senior Design Project

- Worked in a team of four to develop a new bike lock for Kryptonite, a worldwide leader in action sports security
- Honed skills in machine shop and various manufacturing technologies as well as embedded electronics development

University of Canterbury, Christchurch, New Zealand

June 2014 – August 2014

Research Assistant

- As a Vredenburg scholar, conducted research for the University's Geothermal Energy Systems Engineering group into the Organic Rankine Cycle (ORC) and how to reduce carbon emissions with geothermal energy and industrial waste heat
- Researched relevant price indices and fuel costs to assess energy cost of an ORC and Energy Return on Investment

Alpha Kappa Psi Fraternity, Rho Psi Chapter, Baltimore, Maryland

February 2014 – December 2014

Corporate Sponsorship Chair

- As a fraternity pledge and as Corporate Sponsorship Chair, singlehandedly more than doubled chapter fundraising by abandoning traditional approach of selling event or raffle tickets, instead recruiting JHU departments as event sponsors

Johns Hopkins University Office of Academic Support

September 2014 – December 2014

Learning Den Tutor

- Tutored groups of 4-6 struggling students in Mechanical Engineering Thermodynamics and Introduction to Mechanics

Dearest, LLC., Baltimore, MD

May 2014 – May 2016

Chief Marketing Officer

- Founded a startup with three other Johns Hopkins students to reinvent the idea of a college care package into something wholesome, organic, and environmentally friendly, developing four packages and beginning sales in October 2014

Crossover Basketball, Baltimore, MD

September 2012 – May 2016

President (January 2015 – May 2016)

Financial Officer (September 2013 – January 2015)

- Volunteered with the Barclay School basketball team both as a tutor in the classroom and assistant coach during practice
- Managed the budget for Crossover, a member organization of the Johns Hopkins Center for Social Concern, and led fundraising efforts for its donation fund during its annual March Madness Bracket Competition

Johns Hopkins Newsletter, Baltimore, MD

September 2012 – September 2014

Advertising Sales Manager (September 2013 – September 2014)

Associate Sales Representative (September 2012 – September 2013)

- As Sales Representative, brainstormed ways to sell ad space for the official student publication on the Hopkins campus
- As Advertising Sales Manager, headed the advertising sales staff, tracked all scheduled ads for each issue and led the effort to develop new revenue streams for the publication

Skills

- Computer-Aided Design (mostly PTC Creo, some Solidworks as well)
- Familiarity with machine shop tools and manufacturing processes including 3D printing, CNC, and EDM
- Proficiency with Arduino and AVR development as well as embedded digital system design
- Proficiency with Java, Matlab, and Swift (iOS development)
- Near-fluent Spanish and elementary Russian