

Benjamin Lu

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in Benjamin Lu

Education

*University of
North Carolina
Chapel Hill*

Class of 2020

B.S. Statistics

B.A. Mathematics

Comp Sci Minor

3.54 GPA (Dean's
List)

*University of
North Carolina
Wilmington*

2014-2016

Dual-Enrolled

4.0 GPA

Extracurriculars

Carolina Data
Science

Asian Students
Association

Sonder's Market

Campus Y

Community
Government

Coursework

Linear Algebra

Discrete Math

Calculus

Probability and
Statistics

Experimental
Design

Professional Experience

Student Leader **JoyRun (August 2016-Present)**

- Increasing app visibility through social media and marketing
- Leading on-campus outreach and networking with student organizations
- Developing partnerships with local restaurants

Reporting & Outreach **Department of Energy Management (November 2016-Present)**

- Optimizing existing infrastructure using in-house resources
- Implementing projects to upgrade infrastructure
- Educating the campus community through outreach in order to make conservation a core value at UNC

Project Leader **Full Belly Project (2012-2016)**

- Non-profit organization specializing in agricultural sustainability
- Developed inexpensive solutions for villages in third-world countries
- Worked on design of Solar Water Pump, Rocker Water Pump, and Soap Press

Projects

UNCW IDEAL Lab **Summer 2015**

- Organized and analyzed data from ~1000 military veterans from Camp Lejeune
- Tested correlation between # of blasts and PTSD using TSI symptom inventory
- Presented poster and received recognition at UNCW Student Research Showcase

Solar Water Pump (Eagle Scout Project) **Summer 2015- Early 2016**

- Lead a team to design a solar water pump for farmers and villages
- Months of design and revision as well as field testing
- Created 3D model of pump design using CAD modeling software

Chemtech Laboratory Research Team **2015-2016**

- Conducted research on the concentration of parabens within local fast food
- Worked in partnership with UNCW and Cape Fear Community College
- Used HPLC and GCMS to win 1st place and \$2500 for Hoggard High School

Skills

Development Related

- **Languages** HTML \ Java \ JavaScript \ CSS \ PHP
- **Tools** R \ Microsoft Office Suite specializing in Excel \ SAS \ Solidworks
- **Databases** MySQL \ MongoDB

Interests

- **Academics** Machine learning, Open-Source Data, Chinese philosophy
- **Hobbies** Drawing, discovering new music, swimming, weightlifting, ultimate frisbee, Cycling