

# Ezra Ablaza



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/in/ezra-ablaza



TresTres

## Skills

### Engineering Technologies:

(ranked by familiarity)

≤ 1 —————> 5

ANSYS · Granta CES

OriginPro · Autodesk · R

MS Office Suite · Matlab

### Other Skills:

(ranked by familiarity)

≤ 1 —————> 5

WebPlotDigitizer

VMD · ImageJ

Java · Python · C

## Organizations

- **Tau Beta Pi** - National engineering honors society
- **Material Advantage** - Premier materials engineering membership
- **USACS** - Community of Rutgers students involved in tech
- **RUFMA** - Filipino martial arts club

## Education

Expected:  
Jan 2019

**BS., Materials Science and Engineering**  
New Brunswick, NJ  
**Cum. GPA: 3.740/4.000**

Rutgers University SoE

Expected:  
Jan 2019

**Double Major in Computer Science**  
New Brunswick, NJ  
Dual-discipline study with research experience in computations. Exposure to several characterization methods including XRD, XRF, TGA, SEM. 4 years+ of computer programming education and experience.

Rutgers University SAS

## Experience

Feb 2017 -  
Present

**iLab Assistant**  
Piscataway, NJ

Rutgers LCSR

- Offering on-site walk-in tutoring for essential curricular topics in Computer Science and Engineering
- Instructing students how to access and use lab equipment
- Successfully closed 250+ helpdesk tickets

Jun 2017 -  
Aug 2017

**Global Engineering Intern | R&D**  
Aurangabad, Maharashtra

Sterlite Tech Ltd.

- Worked with Quality Improvement team to increase glass core  $C_{pk}$
- Used R and MS Excel to cleanup raw data extracted from in-house manufacturing equipment
- Developed analysis tools in Matlab designed to make quality predictions of fiber core based on preform data
- Maintained project documentation and performed other administrative duties as required

## Research

May 2015 -  
Dec 2015

**Computational Materials Research**  
Piscataway, NJ

Rutgers IMSL

- Wrote Bash scripts and Fortran code to run molecular dynamics simulations of pure silica dissolving in the presence of pure water
- Presented intermediate findings in a poster session hosted by the Aresty Research Center in August 2015

## Volunteering

Oct 2016 -  
Present

**HackRU | RND Project Lead, Hacking Mentor**  
New Brunswick, NJ

HackRU

Jan 2017,  
Jan 2018

**HackFree | Technical Mentor, Judge**  
Englishtown, NJ

HackFree