**Neeraj Shenoy**

Engineering Undeclared Undergrad at UC Berkeley intending to declare Electrical Engineering and Computer Science. Aiming for an internship in tech as a first step into the industry.

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# EXPERIENCE

**Temple University College of Engineering** *Jun 2018 to Jan 2019*

## Coding Assistant

* I self-learned Python over the summer to assist Dr. Iyad Obeid, Associate Professor of Electrical and Computer Engineering at Temple University (whom I job shadowed for a career development course), with one of his ongoing studies.
* This study involves working with in-game measurements of tennis players’ movements, collected using motion sensors.
* The objective is to analyze which of several possible independent variables (or “features”, like hip rotation angle or elbow angle) significantly contribute to what zone on the other side of the court a tennis ball lands when hit by the player.
* This data could potentially map out better strategies for tennis players in terms of striking form.
* I helped to not only debug and analyze Python code from Dr. Obeid’s graduate students on the study but also create displacement vs. time and rotation degree vs. time graphs using Matplotlib comparing each “feature” to the time taken for the ball to hit the other side of the court.

**National Inventors Hall of Fame** *Jun 2017*

## Leadership Intern

## I helped to foster an innovative spirit within a group of impressionable elementary school children by leading them through numerous kinesthetically creative activities (i.e. rocket modeling, terraforming, etc.).

## In the training process, I learned the importance of Intellectual Property protection concepts and processes guided by the United States Patent and Trademark Office (USPTO). The experience helped me explore entrepreneurship through the lens of invention and innovation.

# EDUCATION

**University of California, Berkeley**

## Bachelor of Engineering – BE

##  Relevant Coursework:

 *2019 to 2023*

* Computer Science 61A: The Structure and Interpretation of Computer Programs, Math 53: Multivariable Calculus, Physics 7B: Physics for Scientists and Engineers

**Garnet Valley High School, Glen Mills, PA** *2015 to 2019*

* Finished 3rd out of 424 in graduating class || 4.00 unweighted GPA
* Took multivariable calculus + linear algebra and earned an A

Activities and Honors:

National Award-Winning Delco Hi-Q Team Stage Member; National AP Scholar; National Honor Society Member; National Spanish Honor Society Member; Tri-M National Music Honor Society Member; Academically Talented Program; Section Leader of Low Brass Section for Marching Band; Principal Trombone for Concert and Jazz Bands; Science Olympiad; PMEA District 12 Band Member; Brass Quintet Member

# SKILLS

* Python (most experienced), Java (moderate experience), Spanish (limited working proficiency)

# CERTIFICATIONS

**ASM International Materials Camp Participant at Drexel University**

## ASM International

**Third Place in Introduction to Financial Math in Pennsylvania Region 19 Leadership Conference**

Future Business Leaders of America-Phi Beta Lambda (FBLA-PBL)

*Jun 2018*

*March 2016*