

# Neil Shweky

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## Education

**University of Pennsylvania: School of Engineering and Applied Sciences**  
*Candidate for Bachelor of Science and Engineering, Computer Science*  
GPA: 3.54/4.0

Philadelphia, Pennsylvania  
May 2021 (expected)

- Major in Computer Science with Minors in Mathematics and Data Science
- Relevant Coursework: CIS 419 Applied Machine Learning; CIS 545 Big Data Analytics; CIS 262 Automata, Computability, and Complexity; NETS 212 Scalable and Cloud Computing; CIS 240 Introduction to Computer Systems; CIS 121 Data Structures and Algorithms; CIS 160 Mathematical Foundations of Computer Science; CIS 120 Programming Languages and Techniques II; MATH 513 Computational Linear Algebra; MATH 240 Linear Algebra and ODEs; MATH 114 Multivariable Calculus

## Work Experience

**ESSutton (Fetch... for Pets; Brand Buzz Consumer Products)**  
*Intern*

New York, New York  
Summer 2017, Summer 2018

- Amassed, organized and analyzed large sums of sales data in order to find trends and detect outliers
- Programmed APIs and apps using Express, Node.js, and React.js to pull and display the data
- Created PowerPoints and Excel Spreadsheets for meetings with buyers from Walmart and Target

**ELLY.ai**  
*Intern*

New York, New York  
April 2017 - May 2017

- Utilized various third-party JavaScript frameworks including Vue.js, Express.js, and Mailgun.js
- Learned to create a node server with a custom API that communicated with databases like MongoDB
- Created a frontend microservice that communicated with my API

**Coriendo**  
*Intern*

Bala Cynwyd, Pennsylvania  
Summer 2016

- Built websites using HTML, CSS and JavaScript
- Used Phone Gap and frameworks such as Bootstrap and Angular.js to create mobile versions of websites

**Appetizer Mobile**  
*Intern*

New York, New York  
Summer 2015

- Developed an app for one of the company's clients called Don't Press Send in Objective-C
- Learned new programming languages including Node.js and C
- Tested Portalball App for Quality Assurance purposes

## Projects

**NETS 212 Facebook Award Winner**  
*Scalable and Cloud Computing*

Philadelphia, Pennsylvania  
Fall 2018

- Collaborated with small team to create a mini Facebook platform using Node.js, DynamoDB, and EC2
- Designed all of the database code, some frontend code and majority of the integration code between the two
- Won award sponsored by Facebook for the best project over 50+ other teams

**Sephardic Bikur Holim: Community Service**  
*Volunteer App Developer*

Brooklyn, New York  
March 2016-Present

- Built two apps for charity organization through which over 5,000 community service hours have been logged
- Stored and queried large sets of data in Firebase databases, while managing hundreds of users
- Used Node.js to build a server and a private API for the app, and created a buddy system for the users

## Skills

**Computer:** Node.js, Java, Objective-C, NoSQL, Cloud Computing, LaTeX, Power BI, Hadoop, Python, Matlab  
**App Developer:** Geometry Cheat Sheet, 100 Berachot Counter, SBH Captain's Guide, SBH Youth App