

# David A. Kleinberg

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## Skills Summary

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**Software:** Highly knowledgeable in programming with Java, C, C++, JavaFX, Unit Testing Frameworks, and writing Checkstyle compliant code. Experienced in Matlab, Swift, Xcode SDK, JavaScript, CSS & HTML.

**Hardware:** Well versed in Fabrication, 3D Printing, Computer-Aided Design (CAD), Circuit Analysis, and lab work with Oscilloscopes.

**Applications:** Proficient in data acquisition with LabVIEW and Microsoft Excel. Technical skills in data analysis for natural sciences.

**Languages:** Fluent in Spanish and well-versed in Hebrew.

## Education

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Johns Hopkins University, Class of 2019

GPA: 3.14

Bachelor of Science in Electrical Engineering

### Classes

**Electrical Engineering:** Digital Systems Fundamentals; Signals & Systems; Circuits; Field, Matter & Waves; Physics I & II with Labs

**Computer Science:** Intermediate Programming in C & C++; Data Structures <https://github.com/DavidKleinberg/DataStructures>

**Math:** Calculus (through Multivariable); Linear Algebra; Differential Equations

## Engineering Projects & Experience

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**Stock Investment Program Design**, August 2016 – Present

Programmed algorithms (in Java) to map stock trends. Refactored code for maintainability based on academic coursework.  
Goal: utilize the E\*TRADE API to run autonomous investing.

**Go-Kart Project**, March – June 2015

Designed, machined, and assembled a Go-Kart. Compiled portfolio of documented design process, budget, and engineering calculations. Blog posts with updates and progress reports can be found at: <https://maavar2015.wordpress.com/>

## Work Experience

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**President of TAMID at Johns Hopkins University**, October 2015 – Present

*Project Leader for Say2Eat Consulting, Recruitment Director for JHU Chapter, Business Consultant for Welltika*

Winner of national competition: Recipient of monetary award for “Best Market Research Deliverable” and featured on Tamid Nationals’ website for outstanding Project Manager.

**Intern at Clarity Advisors**, May 2016 – September 2016

*Consultant for Hypertunity*

Launched US operations. Developed collaterals, website, and other marketing strategies. Led a web campaign using MailChimp.  
Evaluated product messages with CEO. Helped build and promote Hypertunity’s operations and on-line presence.

**Tufts Health Plan** (Paid Summer Internships), June 2013 – August 2014

*Commercial Claims Operations – Summer 2014*

Handled confidential client information while working on company database. Performed claims processing functions on over 5,000 beneficiaries.

*Real Estate Department – Summer 2013*

Constructed outdoor health and wellness center and assembled cubicles and desk spaces.  
*Received an honorable mention in internal corporate newsletter for distinguished summer intern.*

## Leadership Contributions

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**FTC Robotics**, Gann Academy

*Mentor – Present*

Develop game strategy and project management. Analyze design with concepts in mechanical physics and CAD software.

*Head of Hardware & Design – 2014 and 2015*

Led workshops in building techniques and design strategy (using CAD). Created robot for FTC competition. Implemented 3D printing to prototyping and small assemblies. Mentored underclassmen.

**Gann Academy MakerSpace**, March 2015

*Founder*

Received funding of nearly \$10,000 for the purchase of a 3D printer and won two printers from FIRST competition. Initiated and implemented a culture of technology and innovation in both the school’s art and science departments.

*References furnished upon request*