

# Lior Beyderman

2020 Kings Hwy  
Brooklyn NY, 11229  
(718)737-5538  
lior.bey95@gmail.com

## EDUCATION

### Cuny Baruch, New York NY — *Mathematical Physics (3.5 GPA)*

07.2014 - 01.2017

**Computer Science related coursework:** Linear Algebra, Logic, Advanced Physics Lab (C++), Algorithms, Computers, and Programming,

**Advanced Physics coursework:** Theoretical physics I & II, Quantum Mechanics, Solid State, Current Topics in Physics

## EXPERIENCE

### Private Tutor, New York NY - Self Employed

10.2017 - PRESENT

- Taught 20 + students through a personalized coding and math curriculum
- Designed and 3D printed robotics projects using CAD
- Built the necessary code for the robots from scratch

### Cabrero, New York NY — *Founder*

06.2017 - PRESENT

- Designed a prototype for the Cabrero portable coffee maker
- Received a grant of \$5,000 from the CUNY accelerator
- Built the Cabrero website using HTML, CSS, JavaScript (Jquery & Angularjs)
- Optimized the web design through A/B testing and increased sign ups by 30%.

### Baruch College, New York NY — *Adjacent Lecturer*

01.2015 - 08.2017

- Taught hundreds of Students at Baruch in Mathematics
- Prepared lessons and conducted workshops in Algebra and Calculus to classes of 30+ students

## PROJECTS

### Autonomous Car + Bluetooth enabled App

- Shell was designed and 3D printed using Fusion 360.
- Capability to drive autonomously after attaching and programming (C++) an ultrasonic sensor + PID control for the speed of PWM motors.
- Bluetooth module programmed to drive the car manually using a phone

### Cryptocurrency trading bot

- Programmed a bot in Python which sends out BUY/SELL signals based off technical indicators such as trading volume changes, moving exponential average crossings, & RSI (selling/buying momentum indicator).

## PROGRAMMING LANGUAGES

### Proficient

- C++, Python

### Familiar

- JavaScript, Ruby, SQL, HTML/CSS

## PROFESSIONAL DEVELOPMENT

### Coursera

- Algorithms Specialization @ Stanford

## VOLUNTEERING

### International

### Volunteer HQ - India

- Medical volunteer

### Memorial Sloan Kettering Cancer Center

- Pediatrics volunteer