

# Phevos Paschalidis

COLLEGE STUDENT · HARVARD COLLEGE

Cambridge, MA

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## Education

### Harvard College

Cambridge, MA

A.B. CANDIDATE IN COMPUTER SCIENCE

Sep. 2021 - Present

- Relevant coursework: Theoretical Linear Algebra (Math 25a), Introduction to Algorithms and Limitations (CS120), Real Analysis (Math 25b), Data Structures and Algorithms (CS124), Abstraction and Design in Computation (CS51), Probability and Statistics (STAT110, in-progress), Systems Programming and Machine Organization (CS61, in-progress)
- GPA 4.0

### Boston University

Boston, MA

TOOK CLASSES WHILE IN HIGH SCHOOL

Sep. 2018 - May 2021

- Relevant coursework: Linear Algebra (CAS MA242); Differential Equations (CAS MA 226); Computer Science (CAS CS111, CAS CS112; CAS CS131); Physics (CAS PY211, CAS PY252); Biology (CAS BI108) Neuroscience (CAS NE101); Economics (CAS EC101).
- GPA 4.0

### Boston University Academy

Boston, MA

HIGH SCHOOL

Sep. 2017 - May 2021

- High Honors Thesis Title: "Optimizing a Microgrid"
- Summa Cum Laude

### Other Coursework

Saratoga Springs, NY; Princeton, NJ

COMPLETED

Sep. 2017 - present

- The Analytics Edge (Machine learning, statistics, optimization). MIT edX on-line course.
- Macroeconomics and the Global Economy, Skidmore College, Course in the Center for Talented Youth Program, Johns Hopkins University.
- The Mathematics of Competitive Behavior, Princeton University, Course in the Center for Talented Youth Program, Johns Hopkins University.

## Work Experience

### Massachusetts Institute of Technology

Boston, MA

RESEARCH ASSISTANT

May. 2022 - present

- Working Paper: Investigating interpretable machine learning techniques for predicting post-operative pacemaker outcomes following TAVR (Transcatheter aortic valve replacement) surgery and prescribing optimal valve manufacturer for minimizing risk of pacemaker outcomes pre-operatively.

### Harvard College

Cambridge, MA

TEACHING FELLOW

August. 2022 - present

- Teaching fellow for Introduction to Algorithms and their Limitations (CS120).

### Trademark Tours

Cambridge, MA

TOUR GUIDE

May. 2022 - present

- Tour guide for Trademark Tours.

## Leadership Activity

### BUA Student Council

Boston, MA

PRESIDENT (2020-2021) & HEAD OF POLICY SUBCOMMITTEE (2019-2020)

Sep. 2018 - May 2021

- Wrote and Passed an Early Release Proposal suggesting a shortening of the school day on Friday.
- Instituted a Book Swap Program to make BUA and BU textbooks affordable.
- Contributed to the passing of a new school dress code.
- Worked closely with the administration to discuss Black Lives Matter @ BUA including (1) Distributing a survey regarding Diversity, Equity, and Inclusion; (2) Extrapolating themes from that survey; (3) Presenting our findings to faculty and students.

### BUA Admissions Office

Boston, MA

EXECUTIVE TOUR GUIDE (2020-2021), TOUR GUIDE (2019-2020)

May. 2020 - May. 2021

- Served as a tour guide my Junior year by giving weekly tours to prospective students.
- Further assisted by serving on various Student Panels during school information session.
- Selected to be one of four Executive Tour Guides my Senior Year.

### BUA Model UN Conference (BUAMUN)

Boston, MA

CHAIR (BUAMUN 2020), CRISIS DIRECTOR (BUAMUN 2021)

Feb. 2020, Jan. 2021

- Chair of SPECPOL Committee; Topics addressed: Israel and Palestine Conflict, China and Taiwan Conflict.
- Director of Joint Crisis Committees on the Civil War and Reconstruction.

## BUA Chamber Orchestra, Powers Music School Youth Orchestra

Boston, MA; Belmont, MA

CONCERT MASTER

Sep. 2018 - June 2019

- BUA Chamber Orchestra culminated in a performance of Carlisle's *Floyd Susanna*.
- In addition to the title of Powers music school Concert Master, I was given the role of mentor to the younger orchestra.

## BUA Varsity Soccer

Boston, MA

CAPTAIN

Sep. 2020 - Nov. 2020

## Extra Curricular Activities

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### Harvard University Bach Society Orchestra

Cambridge, MA

MEMBER

Sep. 2021 - Present

- An active member of Harvard's Bach Society Orchestra

### BUA MUN Team

Boston, MA

MEMBER

Sep. 2017 - Present

- Participated in many conferences including BOSMUN, TUMUN, and BUSUN.

### First Lego League Team

Boston, MA

MENTOR

Sep. 2018 - present

- Mentored a First Lego League robotics team.

### New England Conservatory

Boston, MA

MEMBER

Sep. 2019 - May. 2020

- First Violin in NEC's Junior Repertory Orchestra (JRO), 2019-2020.
- Accepted to NEC's Youth Repertory Orchestra (YRO), 2020-2021.

### Cremona International Music Academy and Festival

Cremona, Italy

PARTICIPANT, CONCERT MASTER OF YOUTH ORCHESTRA (2016)

Summers of 2015, 2016, and 2017

- Performed with one orchestra each year, serving as the concert master of the Youth Orchestra in 2016.
- Performed as a part of two chamber music groups each year.
- Performed a solo recital each year.

## Select Honors & Awards

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May 2020 **Recipient**, Harvard Book Award.

Feb. 2019 **Best Position Paper**, Boston University MUN Conference (BOSMUN).

Nov. 2018 **First-Place Prize**, Regional Hellenic History Tournament.

July 2018 **First-Place Prize**, International Hellenic History Competition.

Sep. 2018 **Recipient**, Conservatory Scholarship of Powers Music School.

April 2017 **Summa Cum Laude**, National Latin Exam, Latin 1.

Sep. 2017 **Recipient**, Conservatory Scholarship of Powers Music School.

## Publications

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CONFERENCE PAPERS

### Optimizing a Microgrid

PASCHALIDIS P.

2021 IEEE MIT Undergraduate Research Technology Conference (URTC) 2021