

Daniel Melcer

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Education

Northeastern University

Boston, MA

B.S. IN COMPUTER SCIENCE • MINORS: MATH & PHYSICS • GPA: **4.00**

2017 - 2022

- Admitted to Honors program.
- Relevant Coursework: Fundamentals of Computer Science, Discrete Structures, Linear Algebra, Building Extensible Systems, Algorithms.

AWARDS

Fall 2017 **Dean's List**, College of Computer and Information Science

ACTIVITIES

2017 - Present **Member**, Paradigm Hyperloop
2017 - Present **Member**, Times New Roman Satire Magazine

Smithtown High School East

Saint James, NY

GRADUATED WITH HONORS • GPA: **4.64**

2013 - 2017

AWARDS

2017 **Research Report Badge**, Society for Science and the Public
2017 **National AP Scholar**, The College Board
2017 **Physics Award**, Smithtown High School East

ACTIVITIES

2013-2017 **Lead Programmer & Vice President of Engineering**, Smithtown Robotics
2014-2017 **Technical Director**, Math Honor Society

Skills

Programming Java, Solidity, CUDA, Python, React JS
Technical Autodesk Inventor, Basic Electronics, 3D Printing

Experience

College of Computer and Information Science at Northeastern

Boston, MA

FUNDAMENTALS OF COMPUTER SCIENCE 1 TUTOR/GRADER

Spring 2018

- Provided guidance to students during lab sections.
- Held scheduled office hours to reinforce concepts taught during lecture.

Personal Technical Project

Boston, MA

CONNECT FOUR IMPLEMENTED VIA SMART CONTRACT • [CONNECT.DANIELMELCER.NET](https://connect.danielmelcer.net)

Winter 2017 - 2018

- Programmed a Solidity smart contract allowing people to create, join, and play Connect Four games.
- The contract automatically rejects invalid moves and allows the winner of a game to claim victory.
- Built a corresponding website to interface with the contract if a Web3 browser or extension is installed.

Brookhaven National Laboratory

Upton, NY

HIGH SCHOOL RESEARCH PROGRAM SUMMER INTERN

Summer 2016, 2017

- Developed a website to conveniently access a database of on-site network switches.
- Wrote a desktop application to manage, sort, and search a database of ethernet ports in multiple buildings.
- Searched for continued fraction representations of known roots of the Riemann Zeta function.

Gurwin Jewish Nursing Home

Commack, NY

VOLUNTEER

2015 - 2017

- Assisted caregivers on nursing unit by distributing supplies.
- Aided with transport of residents to and from recreational activities.

Suffolk Y Jewish Community Center

Commack, NY

JUNIOR COUNSELOR

Summer 2015

- Supervised a group of about 15 campers aged 5-7.
- Led activities such as team sports and aided the senior counselor.