

# Dennis Lo

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## EDUCATION

### Carnegie Mellon University

B.S. in Information Systems  
Expected May 2022 | GPA: 3.6

### Jericho High School

Jun 2018 | GPA: 3.92

## SKILLS

Java • C/C++ • Python •  
HTML5 • CSS • JS • Node.js  
• ReactJS • SML • SQL • Git  
• Algorithms and Data  
Structures

## COURSEWORK

- Principles of Imperative Computation
- Principles of Functional Programming
- Information Systems Milieux
- Management of Computer and Information Systems
- Concepts of Mathematics
- Matrices and Linear Transformations

## LINKS

### Projects

[github.com/DLo930](https://github.com/DLo930)

### Competitive Programming

[repl.it/@dennislo](https://repl.it/@dennislo)

### Research

[bit.ly/research\\_DLo](https://bit.ly/research_DLo)

## PROJECTS

### NASA Image Explorer

Mar 2019

- Designed and implemented a full-stack web application using HTML5/CSS, ReactJS, Node.js, Express.js, and MongoDB
- Deployed final app on Google Cloud Platform: [nasa-image-app.appspot.com](https://nasa-image-app.appspot.com)

### An algorithm for asthma diagnostics | Independent Researcher

Jul—Aug 2017

- Implemented the EPR-3 guidelines for asthma diagnostics in Java
- Performed systematic review and meta-synthesis in the PubMed database

### Airway hyperresponsiveness: A comparison of rhinovirus species | Researcher

Rutgers University | Mentor: Dr. Koziol-White

Jun—Aug 2016

- Performed ELISA, bicinchoninic acid assay, dose response assessment, and cell culture
- Analyzed experimental data statistically with GraphPad Prism and MS Excel

## PUBLICATIONS

### Modulation of airway hyperresponsiveness by rhinovirus exposure | First author

Oct 2018 | doi: [10.1186/s12931-018-0914-9](https://doi.org/10.1186/s12931-018-0914-9)

## ACTIVITIES

### Business Technology Club • Data Science Club • ScottyLabs

Sep 2018—Present

### CMU Senate • Emerging Leaders

Jan 2019—Present

### Jericho Coding Club | Founder and President

Jun 2017—Jun 2018

### Advanced Computer Programming | Co-teacher

Aug 2017—Jun 2018

### Jericho High School Jazz Ensemble | Lead Alto

Oct 2014—Jun 2018

### Hospice Care Network | Administrative Volunteer

Jul 2015—Feb 2018

## RECOGNITION

### Dietrich College Dean's List | Honors

Aug—Dec 2018

### St. Joseph's College Programming Competition | 1<sup>st</sup> Place

May 2018

### Regeneron Science Talent Search | Semifinalist

Jan 2018

### USA Computing Olympiad | Gold Division

Jan 2018

### Long Island Science Congress | Highest Honors | Future Scientist Award

Apr 2017