

# Colin Ding

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## Education

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### Bergen County Academies

*in Academy for the Advancement of Science and Technology*

- GPA: 4.00/4.00

*Hackensack, NJ, USA*

*Sept 2024 – present*

## Experiences

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### Assistant Head Coach

*Science Olympiad*

*NJ, USA*

*Sept 2022 – present*

- Coached a middle school Science Olympiad team to **1st place at states and earn a nationals bid**
- Over the course of my leadership, brought the team from **>10th at states to 1st**

### Lab Intern

*Lu Lab @ Columbia*

*NJ, USA*

*June 2024 – present*

- Shadowed lab members and learned/performed lab techniques such as immunostaining, immunohistochemistry, western blotting, gel electrophoresis, tissue culture, and more.

### Club Leader/Director

*BCA CTF Club*

*NJ, USA*

*Sept 2025 – present*

- Captain/club leader of BCA's CTF club, a computer/cybersecurity club that hosts [BCACTF](#) annually.
- Teach members various cybersecurity topics such as reverse engineering, web exploitation, cryptography, and binary exploitation.
- Wrote over half of the challenges for [BCACTF 6.0](#)

### CTF/Cybersecurity Captain

*Bing Chilling Academies*

*NJ, USA*

*Feb 2025 – present*

- Core member of a highschool CTF (Capture-The-Flag) Team that has placed in the top 3 globally in cybersecurity competitions, top 3 in NJCCIC Highschool competitions
- Learned penetration testing and incident response techniques, specialize in reverse engineering

### Board Member & Competition Director

*BCA Science Olympiad*

*NJ, USA*

*Sept 2024 – present*

- Captained and led a high-school Science Olympiad team to win medals at Columbia, Yale, and at the regional and state competition

### Captain

*BCA Biology Team*

*NJ, USA*

*Sept 2025 – present*

- Attend weekly lectures, scheduled to begin giving talks as part of the board next year

### Competitor

*BCA Math Team*

*NJ, USA*

*Sept 2025 – present*

- Attend weekend math lectures at BCA and compete at various competitions (ARML, CMIMC, etc.)

### Instructor

*BCA Research Club*

*NJ, USA*

*Sept 2025 – present*

- Help to prepare fellow students for research presentation skills and to prepare for the International Research Olympiad

### Violinist

*Bergen County Academies Orchestra*

*NJ, USA*

*Sept 2025 – present*

- Play violin as a member of the BCA Orchestra

### **Instructor/Volunteer**

*HuaXia Chinese School @ Bergen*

*NJ, USA*

*Sept 2025 – present*

- Taught math and chess on the weekends to students
- Over 75 hours logged this year

## **Accolades**

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### **International Research Olympiad Finalist**

*Apr 2025*

- Placed in top 15 out of >3000 participants (top 0.5%) of the 2025 International Research Olympiad
- Invited to compete in the final rounds at Harvard in June

### **USA Biology Olympiad Top 20%**

*Mar 2025*

- Recieved an Honorable Mention in the 2025 USABO

### **USA Computing Olympiad Silver Division**

*Feb 2023*

- Recieved 1000/1000 and promoted to the Silver Division of the USACO

### **ACSL Finalist & Silver Medalist**

*May 2025*

- Qualified for American Computer Science League finals for 2 years in a row

### **Canadian Computing Competition**

*Apr 2025*

- Perfect Score, scoring of 75/75, top placement in Junior division

### **AAPT Physics Bowl**

*May 2025*

- First place team in regional divison, Top 3 individual scorers in team

### **USA Math Talent Search**

*Jan 2025*

- Top 20% in a monthly proof-based math contest

## **Skills**

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**Programming:** Python, C++, x86\_64 Assembly, LaTeX

**Data Science:** R, Seurat, Excel, Matplotlib/ggplot2, Machine Learning