

# Victor Zhang

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## Education

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### Rutgers University - New Brunswick (Honors College)

*B.S. Mathematics and Computer Science, Double Major*

*Exp. May 2022*

- **Relevant Coursework:** Multivariate Calculus, Intro to Computer Science
- **Organizations:** Competitive Programming, Quantitative Finance, Symphony Orchestra (RSO), Undergraduate Math Assn.

### East Brunswick High School

*GPA: 4.72/4.00 (weighted/unweighted)*

- **Honors:** National Merit Scholarship Winner, AP Scholar with Distinction, Gold Honor Roll, 1560 SAT
- **Clubs:** Mu Alpha Theta Honor Society, Math Team, Science Bowl Team, Chamber Orchestra

## Skills

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**Languages**     Java, Python (Numpy, SciPy, Plotly), SQL (SQLite)  
**Other**         Linux, Git, HTML-CSS, Javascript

## Experiences

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### Rutgers Competitive Programming

*New Brunswick, New Jersey*

*University ICPC team member*

*Sep 2018 - Present*

- Increase team cohesion and solution-sharing between team members through practice problems and mock contests
- Develop team mathematical intuition by training team members to apply useful theorems and identities
- Will represent Rutgers University at the **ACM-ICPC** Greater NY regional, in addition to other contests throughout the year

### Top1 Education

*Edison, New Jersey*

*Group lecturer and Private Instructor*

*May 2018 - Present*

- Helped **80%** of AP tutees achieve **5s** by developed individualized curricula based on individual strengths and weaknesses
- Raised average SAT scores of a cohort of **50** students by **500+** points by developing tailored lecture series and offering weekly afterclass office hours and study resources

### East Brunswick Math Team

*East Brunswick, New Jersey*

*President*

*Sep 2017 – Jun 2018*

- Led practices weekly, improving individual abilities through **challenge problems** and **nonstandard approaches**
- Exposed students to non-curricular mathematics by inviting guest lecturers, including alumni and visiting professors
- Organized team participation in premier math competitions, including **HMMT**, **PUMaC**, and **ARML**
- Coached the team to multiple **first place** finishes at monthly Central Jersey Math League (**CJML**) invitational tournaments

## Projects

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**Plannery** • HackRU F18 • Best use of HERE.com API • Best use of Algolia API

*Oct 2018*

- Designed an event planning web application using **HTML**, **HERE.com** API and **Algolia** API that allows users to create events, view event details and locations, and search for events within a private collaborative group
- Developed a serverless database and proprietary API using **Node.js** and **Cloud Firestore**

**SnapChart** • Personal Project

*Jul 2018*

- Developed a framework and database using **Python's Plotly** and **SQLite** that takes user inputted "Best Friends List" on Snapchat and graphs it over time

## Achievements

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**USA Physics Olympiad** | *Bronze Medalist (2018)*

- Ranked **top 150** internationally on the Olympiad, and qualified to sit the exam by scoring **top 2%** on the 2018 **F=MA** exam

**MAA Math Competition** | *AIME Qualifier (2015-2018)*

- One of around 3500 students annually to sit the exam, qualified by scoring **top 2.5%** worldwide on the annual **AMC10/12**

**Harvard-MIT Math Tournament** | *November 2017, with East Brunswick Math Team*

- Individually scored **51st** place out of **800** competitors in the individual rounds

**CodeForces** | *Specialist (1450 rating as of Oct 2018)*