

# Jason Liu

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## EDUCATION

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### Thomas Jefferson High School for Science and Technology (TJHSST)

Alexandria VA

Sept. 2013 – June 2017

- ❖ Jefferson Diploma –
- ❖ ACT: 35 Reading: 36 Math: 36 Science: 34 Reading 33
- ❖ AP Computer Science: 5; AP Calculus AB: 5; AP Calculus BC: 5; AP Psychology: 5

## COURSEWORK

### *\*AP/post-AP Courses:*

TJHSST Web and Mobile Research Lab  
AP Computer Science A + Data Structures  
AP United States History  
AP Psychology  
Web Application Development  
Mobile Application Development

AP Physics C; M and EM  
Multi-variable Calculus  
Linear Algebra  
AP Government  
AP Language and Composition  
Artificial Intelligence

*\*Post-AP signifies a course above AP level that requires one or more AP courses as a prerequisite.*

## EXPERIENCE AND LEADERSHIP

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### *Brain Health Alliance: Software Intern*

*June-September 2016*

Collaborated with high school and college students under supervision of Dr. Carl Taswell  
Investigated potential of NEXUS-PORTAL-DOORS system for the semantic web

### *STEMBassadors: Teacher Assistant*

*June-September 2016*

Worked with elementary school children to help develop STEM interests at an early age  
Organized and lead math, science, and tech experiments among 1<sup>st</sup> to 6<sup>th</sup> graders

### *Piano:*

*Practice and compete in recitals*

*2004-Present*

### *Teknos Science and Technology Journal: Senior Editor*

*2013-Present*

*Edited and helped publish premier science journal for TJHSST*

*Helped organize the club to work efficiently when reading, rating, and choosing articles*

### *PC Rebuilders*

*2014-Present*

*Built and refurbished donated and broken laptops to donate to students who need them*

### *Capital Food Bank*

*2013-Present*

### *Thomas Jefferson Active Minds*

*2014-Present*

### *App Development Club*

*2016-Present*

### *Thomas Jefferson Crew (Winter/Spring) and Resilient Rowing (Summer/Fall:*

*2013-Present*

*Varsity*

*2014-Present*

*Train year round up to 3 hours a day and 6 days a week*

## HONORS AND ACHIEVEMENTS

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### *Jefferson Crew Most Valuable Player*

*Summer 2016*

### *SRAA National Championship Regatta Men's Varsity Second 8+*

*Spring 2014*

### *2<sup>nd</sup> Place VA Scholastic Rowing Championships Regatta Men's Varsity Second*

*Spring 2015*

### *AP Scholar with Distinction*

*2014*

### *The National Academy of Future Scientists and Technologists Award of Excellence*

*2014*

## SKILLS

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Programming Languages: Java, Python, JavaScript

App Development: Android, XML, Firebase

Web/Mobile Dev: HTML, CSS, JavaScript, jQuery, PHP

Tools: Git, Github, Android Studio, Linux

Libraries/Frameworks: mySQL, MongoDB, Node.js, Angular.js