Christine Zhao

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EDUCATION

RICE UNIVERSITY
B.S. in Computer Science
Aug 2018 - May 2022 | Houston, TX

THOMAS JEFFERSON HS FOR SCIENCE AND TECHNOLOGY
Advanced Diploma
Sep 2014 - Jun 2018 | Alexandria, VA
Cum. GPA: 4.455

COURSEWORK

COLLEGE
Computational Thinking
Business Communication
Statistics for Data Science
Physics Mechanics (with Lab)

HIGH SCHOOL
Concrete Math
Multi-variable Calculus
Web Applications Development
Mobile/Web Applications Research
Artificial Intelligence 1/2
AP Computer Science A
AP BC Calculus

SKILLS

PROGRAMMING
Advanced:
Python • Javascript
HTML/CSS • Java
Intermediate:
C# • Unity • Express.js • LaTeX
Socket.io • Bootstrap • JQuery
Familiar:
Visual Basic (VBA) • ArcPy/ArcGIS
Android • MySQL • Apache • Unix

HONORS

•National Journalist of the Year
•National Merit Finalist
•AP Scholar with Distinction
•Winner at Technica Hackathon
•Second Place in Beaverworks
Final Competition

LINKS

Github:// **czhao028**
Devpost:// **czhao028**
LinkedIn:// **czhao028**
Facebook:// **czhao028**

EXPERIENCE

TJ'S LIFT MENTORSHIP PROGRAM | President & Co-President
Sep 2016 – Jun 2018 | Alexandria, VA
- Developed a grant application for the TJ Partnership Fund, leading to the Fund's decision to fully sponsor LIFT and succeed Jack Kent Cooke Foundation's $100,000 two-year grant.
- Introduced mentor-taught sessions for service hours, conserving hundreds of dollars in grant money.
- Utilized Microsoft Office components like Mail Merge to compile compact mailing lists and send formatted, personalized emails from Excel sheets.
- Publicized LIFT through tjMedia and increased mentor attendance by 30%, introducing a centralized sign-up form to track mentor participation and hours.

ASPIRING SCIENTISTS SUMMER INTERNSHIP PROGRAM | Intern
Jun 2016 - Aug 2016 | Fairfax, VA
- Wrote Javascript scripts within the Cordova mobile app framework to automatically classify flood warnings and watches and display relevant safety tips and courses of action.
- Transferred real-time Serial Data Logger weather data into interpretable Excel data via ArcGIS servers, the Google Maps API, and ArcPy.
- Compiled an 18-page research paper and developed Flood Information Portal (FIP), a mobile application that alerts users of nearby floods and locations.
- Researched and implemented:
  - the ogr2ogr command line tool,
  - Visual Basic for Applications (VBA) script, and
  - Python packages, such as ArcPy and openpyxl, to transfer geoinformation to a mobile interface.

TJTODAY | Editor-in-Chief Investigations & Team Leader
Sep 2016 - Present | Alexandria, VA
- Constructed designed spreads for the newspaper's print edition through InDesign, Photoshop, and Illustrator.
- Hold weekly team meetings to check up on progress, edit and assign articles, and help staff writers effectively communicate with administration.
- Assist staff writers by brainstorming interviewees, interview questions, angles, and stories for tjTODAY's online website and print publication.
- Won 2 Silver Key awards in Journalism from the Scholastic Art & Writing Awards in addition to JEA's National Journalist of the Year award.

PROJECTS

SUBURBIA | Nov 2017
Collaborated with three other high school students to develop a web application that finds the perfect neighborhood based on user preferences for schools, price, age group(s), etc. Won First Prize in the Fannie Mae Challenge at the 2017 Technica Hackathon at the University of Maryland.

VOICE TO THE VICTIMS | Feb 2017 – Apr 2017
Compiled an 11-page investigative piece based off of 40 pages of transcripts taken from 17 interviews. The piece addressed students' Title IX rights, sexual harassment allegations, and administration's response to claims and online events. Garnered 1739 views and won Second Place in Columbia Scholastic Press Association's 2018 Golden Circle Awards.