

OWEN OERTELL

✉ owen@oertell.net | [in owen-oertell](https://www.linkedin.com/company/owen-oertell) | [Owen-Oertell](https://www.github.com/Owen-Oertell) | ☎ 404 491 4223 | [owenoertell.com](https://www.owenoertell.com)

Education

Chamblee Charter High School
High School Diploma, Class of 2022

- 4.0 UW / 4.57 W

Atlanta, GA
August 2018 – Present

Experience

Head of Engineering
Y Stem and Chess Inc. 501(c)(3)

April 2020 – Present
Atlanta, Georgia

- Led development of website: ystemandchess.com
- Manage 30 undergraduate and professional SWEs
- Engineered scalable architecture designs to minimize cost
- Built real-time chess paring and mentor system
- Allowed for free mentoring of underprivileged children
- **Utilities:** Node.js, PHP, Angular.js, MonogDB, Docker

Lab Member

Dickson Lab, Georgia Institute of Technology

May 2020 – Present
Atlanta, Georgia

- Adapting C code from bacterial genome to human genome
- Reduced memory consumption by 300GB
- **Utilities:** C, Makefiles

Co-Founder

PrepByAI

June 2021 – Present
Atlanta, Georgia

- Led development of website: prepbyai.com
- Built machine learning model to improve ACT study efficiency.
- Over 150 regular users and 3,000 questions answered.
- **Utilities:** React, Python, Flask, Tensorflow

Extracurriculars

President

2020 - Present

CCHS Technology Student Association

- Lead community & internal meetings for the organization
- Grew membership by >50%
- Chapter entries placed nationally for first time since 2015

Secretary

October 2020 - Present

YStem and Chess Inc. Board of Directors

- Provide technical and financial advice to the board.
- Report findings of the board to engineering division.

Captain

August 2018 – Present

Vex Robotics Team 1275E and 1275A

- Lead programming for of robot for autonomous and diver control period.
- Top 150 in world robotics skills ranking

Treasurer

April 2020 – Present

National Honor Society

- Manage member dues and orchestrate induction ceremony.

Hebrew School Teacher's Assistant

August 2017 – Present

Temple Sinai

- Teach students Hebrew and Jewish values.

Philosophy Group Leader

August 2017 – Present

Temple Sinai

- Taught lessons about the intersection between the Talmud and modern philisophical topics in 6 week .

Awards

2nd Place Nationally for Software Development	2021
<i>Technology Student Association National Competition. > 500 entries.</i>	
Top 25 Nationally for Data Science and Analytics	2021
<i>Technology Student Association National Competition. >500 entries.</i>	
USACO Silver Division	2020
<i>USA Computing Olympiad</i>	
Georgia Certificate of Merit	2021
<i>Top 5% of Junior Class</i>	
Keynote Lecturer	2021
<i>Gave lecture, <u>Introduction to Machine Learning</u>, to over 130 people</i>	
1st Place for Computer Programming	2020
<i>Dekalb County Technology Fair</i>	
Chamblee High School Math Award	2020
<i>Awarded for outstanding achievement and mathematical ability in sophomore class</i>	2 / 450 Students
Chamblee High School Student of Distinction	2019
<i>Awarded for leadership and character out of entire freshmen class</i>	3 / 500 Students
Test Scores	
<i>ACT: 36, PSAT: 1500</i>	

Technical Skills

Languages: Python, C/C++ , SQL, MongoDB, PHP, JavaScript, Java, HTML/CSS
Frameworks: Angular, React, Tensorflow
Developer Tools: Jupyter Notebooks, Git, Docker, Kubernetes, VS Code, Amazon AWS
Libraries: pandas, numpy, matplotlib, opencv