

# OWEN OERTELL

✉ [owen@oertell.net](mailto: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 2017 – Present

---

## Experience

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

April 2020 – Present  
Atlanta, Georgia

- Led development of website: [ystemandchess.com](https://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](https://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

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