

# Andrew Chen

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## EDUCATION

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### Bayview Secondary School

*IB Diploma and OSSD Diploma*

Richmond Hill, ON

*Sept. 2018 – June 2022*

- Bayview Model UN Secretary of Conferences — Bayview DECA Trainer — Prefect — Reach for the Top Member

## EXPERIENCE

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### Web Developer

*Public Schools Speech Organization*

June 2021 – current

*Markham, ON*

- Consulted client requirements on design and functionality needed for the web app
- Created a website with TailwindCSS and React that uses the Mailchimp API to automate email newsletters
- Actively manage deployment and updates of the website through Vercel and Github Issues

### STEAM Camp Teaching Assistant

*City of Markham*

March 2019 – April 2019

*Markham, ON*

- Actively managed the relationship between the camp executives and parents of camp attendees
- Assisted children of varying mental capabilities develop skills in STEAM subjects
- Created lesson templates, lesson plans, and outdoor activity plans for camp teachers and students

## PROJECTS

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### Functions | *Node, Express, React, PostgreSQL, Azure*

June 2020 – Present

- Developed a full-stack web application using with Node serving a REST API with React as the frontend
- Implemented JWT web token authentication and authorization to associated user code with their username
- Allowed users to save code snippets as public or private, and explore other users' public snippets
- Used PostgreSQL and Azure to manage users and their storage

### Connect Four | *Java, Maven, Swing, Git*

May 2020 – October 2020

- Created a fully functional Connect Four game with a graphical user interface in Java
- Implemented a minimax-powered AI to play against the user with user-controllable levels of difficulty
- Implemented customized designs and a new Look and Feel into the Java Swing library

## AWARDS

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### DECA Awards

- Placed 2nd out of over 1500 teams worldwide in the category of Project Management - Community Awareness Project for the creation of Project:AFK, an awareness non-profit organization
- Provincial champion in the categories of Independent Business Plan and Independent business plan for the creation of full business reports and plans for local and international businesses

### Math and Computer Science Awards

- Placed in the 25th percentile for the Euclid Mathematics Contest
- Placed in the 15th percentile for the Canadian Open Mathematics Contest
- Placed in the 10th percentile for the Canadian Computer Contest

## TECHNICAL SKILLS

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**Languages:** JavaScript, Python, C++, SQL (Postgres), Java, HTML/CSS, R

**Frameworks:** React, Node.js, Next.js, Gatsby

**Developer Tools:** Git, Docker, Google Cloud Platform, Azure, VS Code, IntelliJ, CLion

**Libraries:** pandas, NumPy, Matplotlib