https://github.com/superandybean

Andrew Lam

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EDUCATION

Carnegie Mellon University   August 2022 – May 2026
School of Computer Science
- Bachelor of Science in Computer Science
- Relevant Coursework: Mathematical Foundations for Computer Science, Principals of Imperative Programming

Thomas Jefferson High School for Science and Technology (4.51 GPA)   August 2018 – May 2022
- Relevant Coursework: Multivariable Calculus, Linear Algebra, AP Computer Science with Data Structures, Artificial Intelligence, Machine Learning, Advanced Math Techniques

PROJECTS & EXPERIENCE

Learning the Express Way   May 2022 – July 2022
- Website teaching the basics of web development, such as HTML, JavaScript, Express, and SQL
- Designed for 100+ student Web App Development class at TJHSST

RateMyTJ   August 2021 – May 2022
- Project for Mobile and Web App Development Senior Research Lab
- An improved school course catalog that allows 1600+ TJ students to input scores for classes to allow other students to find the right class to fit in their schedule

Fresh   April 2021
- HackTJ 8.0 Best Mobile Hack Winner
- An app that allows users to take pictures of trash outside to record locations of garbage and help scientists improve the environment

Java Teacher at Hope Chinese School   August 2020 – June 2021
- Led a class of ten elementary and middle school students and taught introductory Java programming

SKILLS

Programming
    Python, Java, C++
Web Development
    HTML, CSS, JavaScript, Node.js, Express, Handlebars, EJS, SQL, MongoDB, Gatsby
Tools
    LaTeX, Git, Mathematica, Google Suite, Microsoft Office, Linux

AWARDS

HSCTF 8 – 3rd Place High School Division, 5th Place Overall	June 2021
HackTJ 8.0 Best Mobile Hack Winner	April 2021
YuHacks Challenge Winner	February 2021
USA Computing Olympiad (USACO) – Gold Division Participant	2018 – 2021

ACTIVITIES

Computer Security Club Statistician   2021 – 2022
- Managed budget and website of club
- Lectured on computer security topics such as website vulnerabilities
- Helped run TJCTF, a CTF consisting of 1100+ teams and 3000+ players

Thomas Jefferson Marching Colonials   2018 – 2022
- Marched trumpet throughout all four years of high school
- Volunteered to help set up and clean up before and after rehearsal to ensure it ran smoothly

Thomas Jefferson Drumline   2019 – 2020
- Marched cymbals and participated in rehearsals and competitions