

# JOSEPH CHEN

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## EDUCATION

**Phillips Exeter Academy**, Exeter, NH  
10.43 / 11 GPA – Highest Academic Honors

*September 2018 - Present*

### Relevant coursework:

Silicon Valley Ethics, Social Innovation, Algorithms & Software, Machine Learning, Network Mobile Architecture, Multivariable Calculus, Non-Euclidean Geometry, Financial Mathematics, Advanced Projects in 3D Design

**Basis Mesa**, Mesa, AZ  
3.96 / 4 GPA – Distinguished Honor Roll

*August 2015 – May 2018*

### Relevant Advanced Placement coursework:

Biology, Calculus AB, Statistics, Micro/Macroeconomics, Environmental Science, US Government & Politics, Psychology

## PROJECTS

### EssayTrack (essaytrack.app) – Vue.js and Google Firebase

- Built, designed, and launched a web-based accountability platform for college applicants to track their essays' status
- Conducted market research through surveys and interviews and ran multiple rounds of alpha and beta testing that resulted in bug fixes and new features, such as a supportive message generator

### StudyNest – Python and React

- Virtually collaborated with a team to build a web-based social application that enables students to find synergistic “study buddies” to help cure isolation and increase productivity
- Trained a KNeighborRegressor model utilizing the Rocchio and Cosine Similarity algorithms

### Ocufy – EchoAR and Unity

- Virtually collaborated with a team to design an augmented reality healthcare program that seamlessly displays and logs patients' vitals, notes, and other information

### Notifi – Arduino

- Virtually collaborated with a team to build a smart availability light that syncs seamlessly with calendar and video-conferencing APIs to notify others when a user is busy

### FinLit – Flutter

- Co-created an educational app promoting conscious spending, budget adherence, and financial literacy through behavioral-modification techniques

### Connexeter – Java

- Co-designed and built a mobile app that allows Exeter students to view their schedules, events, and dining menus in one place

### PinkAvo – Service

- Co-started a project that upcycled local food waste into bioplastic material and natural dye
- Collected second-hand clothing from dorms and used the natural dye to sell an eco-friendly clothing line in the new campus thrift store

## SKILLS

- **Development** – Java, Python, Vue.js, Node.js, Swift, Flutter, HTML/CSS, Javascript
- **Design** – Figma, Sketch, SketchUp, InDesign, Procreate, drawing
- **Video Production** – Final Cut Pro X, Apple iMovie, Sony Vegas Pro 13, DaVinci Resolve
- **Foreign Languages** – Mandarin (fluent), Cantonese (fluent), Spanish (Intermediate)

## VOLUNTEER WORK

- **Hackathon Organizer and Mentor** – HackExeter, HackNEHS, and HackBFS
- **Student of the Year Project, Team Leader** – The Leukemia & Lymphoma Society
- **English Teacher** – Shengxing Chinese and English School
- **Composting Organizer and Peer Tutor** – Phillips Exeter Academy