

# Eric Li

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## EDUCATION

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### Macaulay Honors at Hunter College

New York City, New York

*Bachelor of Arts in Computer Science and Economics*

Expected 2021

- **Relevant Coursework:** Multivariate Calculus, Software Analysis and Design (for C++)

### Stuyvesant High School

New York City, New York

*Advanced Regents Diploma*

2014-2018

- **Relevant Coursework:** Computer Graphics, Software Development, AP Comp. Science (5), AP Calculus BC (4)
- **Honors:** High School Fed Challenge (Champion, Semifinalist), NY State Impromptu Speaking (Champion)

## SKILLS

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**Languages:** Python, Java, JavaScript, Processing, SQL, HTML, CSS

**Libraries and Frameworks:** Flask, React, React Native, Bootstrap, D3, Foundation, jQuery, Matplotlib, MongoDB, NumPy, pandas

## WORK EXPERIENCE

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### Winescan

Remote

*Software Development Intern*

June 2018 – September 2018

- Modernized the app UI and UX using wireframes, prototype testing and incorporated results from usability tests
- Helped build a functional prototype of the app, rewrote and converted from Objective-C to React Native
- Integrated and rewrote various public libraries to increase efficiency and compatibility with the prototype
- Overhauled and rewrote the RESTful API server and converted it from PHP to Python (Flask)

### Capital Markets Advisors

NY, NY

*Finance Intern*

June 2018 – August 2018

- Built risk data dashboard in Sheets by combining financial data to generate a risk-adjusted return on capital metric
- Reviewed annual budget sheets and cash flows and conducted financial statement valuation
- Created visualizations and models of the financial data using pandas and Matplotlib to analyze trends

### Red Apple Chinese Restaurant

Brooklyn, NY

*Assistant Manager*

January 2014 – June 2018

- Provided and maintained customer service in-person and over the phone
- Oversaw and trained new employees on the POS systems and cashier related tasks
- Assisted the manager with bookkeeping and accounting by ensuring all transactions were accurately reported

## PROJECTS

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### Graphics Engine ([Link](#)) – Python

- Created a tool to draw, transform and animate curves and select shapes in 3D
- Exports models to a .png or .gif file and imports models from an .obj file
- Simulates realistic shading and lighting in 3D space, optimized through Z-buffering and back face culling
- Facilitates ease of use through a custom compiler (with a parser) that reads an .mdl file for commands

### Clover ([Link](#)) – Python (Flask), JavaScript (D3), SQLite database, HTML, and Bootstrap

- Personal financial management web app for users to record, track and visualize expenses and cash flows
- Uses the Alpha Vantage API for real-time stock management

### SHSATeas ([Link](#)) – Python (Flask), JavaScript (jQuery), SQLite database, HTML, and Bootstrap

- Resource for underprivileged students to learn about the SHSAT, including a timeline and forum
- Uses the Eventbrite API to show free tutoring classes nearby