

# MICHAEL JU

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## EDUCATION

UNIVERSITY OF CALIFORNIA, BERKELEY	Berkeley, CA
Bachelor's Degree Computer Science, <b>GPA: 4.00</b>	May 2018
Regents and Chancellors Scholar	
Dean's Honor List (Fall 2014)	
IRVINGTON HIGH SCHOOL	Fremont, CA
<b>GPA: 4.00</b>	June 2014
National Merit Scholarship Finalist	
National AP Scholar	

## COURSEWORK

Structure and Interpretation of Computer Programs (Python, Scheme, SQLite)  
Linear Algebra and Differential Equations  
Data Structures and Advanced Programming (Java)\*  
Discrete Mathematics and Probability Theory\*  
\*Current Course

## PROJECTS

### POLLSITE

Used Django, Bootstrap, HTML/CSS, JavaScript, jQuery  
Created a database-backed web application that allows users to:

- create a Pollsite account
- log in and log out
- create and remove polls on which other members of Pollsite can vote

Wrote tests to ensure functionality of both user authentication and voting system

### PERSONAL WEBSITE

Used Bootstrap, HTML/CSS, JavaScript, jQuery  
Created a website to:

- describe coursework in detail
- act as a repository to finished and in-progress project code

### SCHEME INTERPRETER

Used Python  
Worked with a partner to make an interpreter for the Scheme language  
Implemented:

- basic arithmetic
- lambda expressions with both lexical and dynamic scope
- Scheme special forms, like quote, if, and cond

## SKILLS

Python, HTML/CSS, JavaScript, jQuery, Scheme, SQL, Java, Bootstrap, Django  
Mac OS, Windows, Linux/Unix  
Multivariable Calculus, Linear Algebra, Differential Equations