

# 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, Spring 2015)	
Member of Upsilon Pi Epsilon, Computing Honor Society (Fall 2015)	
IRVINGTON HIGH SCHOOL	Fremont, CA
<b>GPA: 4.00</b>	June 2014
National Merit Scholar, National AP Scholar	

## COURSEWORK

Structure and Interpretation of Computer Programs (Python, Scheme, SQL)  
Data Structures and Advanced Programming (Java)  
Discrete Mathematics and Probability Theory  
Machine Structures (C, MIPS Assembly, Apache Spark)  
Efficient Algorithms and Intractable Problems  
Introduction to Database Systems\*  
Introduction to Artificial Intelligence\*  
\*Current Course

## EXPERIENCE

TECHNICAL INTERN AT COVERITY, SYNOPSYS, INC.  
Used JavaScript (AJAX), jQuery, HTML/CSS, Dropwizard (Java), MySQL  
Revamped Business Modeler web application, which models a code project by mapping classes to representative visual containers  
Designed algorithms in JavaScript for geometric restructuring of container divs  
Wrote back-end API services in Dropwizard for accessing test coverage metrics  
UPSILON PI EPSILON WEB DEVELOPMENT COMMITTEE  
Used Django, HTML/CSS, and JavaScript  
Implemented filtering capability for members search page on honor society's website  
Worked on adding interview question test bank to site, both front-end and back-end

## PROJECTS

POLLSITE  
Used Django, Bootstrap, HTML/CSS, JavaScript, jQuery  
Created a web application that allows users to create/remove/vote in other user's polls  
Wrote tests to ensure functionality of both user authentication and voting system  
GITLET  
Used Java  
Implemented own local revision control system with serializable objects

## SKILLS

Java, Python, JavaScript, jQuery, HTML/CSS, Bootstrap, Django, C, MIPS Assembly,  
Scheme, SQL, Apache Spark  
Mac OS, Windows, Linux/Unix  
Discrete Math, Linear Algebra, Differential Equations, Multivariable Calculus