

# Eilen Shahbaz

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## EDUCATION

2015 – 2019	<b>University of California, Berkeley</b> <i>Bachelor of Arts in Computer Science   GPA: 3.5</i>
Coursework	Data Structures, Machine Structures, Algorithms and Intractable Problems, Computer Security, Structure and Interpretation of Computer Programs, Discrete Mathematics, Calculus, Designing Information Services and Systems

## SKILLS

Proficient	Java • Python • C • JavaScript • Go • PHP
Intermediate	UNIX • SQL • MIPS Assembly • Scheme • HTML • CSS
Moderate	Apache Spark • Node.js • MongoDB • Bootstrap • Express.js

## EXPERIENCE

Summer 2017	<b>E&amp;J Gallo Winery – Modesto, CA</b> <i>Software Engineering Intern – Marketing Systems</i> <ul style="list-style-type: none"><li>Developed and maintained websites working with PHP, JavaScript, jQuery, Bootstrap, Ruby on Rails, HTML, and CSS.</li><li>Supported six different teams and implemented their functionality needs and preferences for the brand websites.</li></ul>
Summer 2016	<b>E&amp;J Gallo Winery – Modesto, CA</b> <i>Data Analyst Intern – Consumer and Product Insights</i> <ul style="list-style-type: none"><li>Improved efficiency of data access to agents by 25% by migrating and consolidating all relevant information from multiple databases into a single CRM.</li><li>Updated and validated product information and calculated new nutrition facts for all wine products.</li></ul>
Summer 2015	<b>E&amp;J Gallo Winery – Modesto, CA</b> <i>Business Analyst Intern – Information Services</i> <ul style="list-style-type: none"><li>Established a standard operating procedure for the financial approval process by leveraging existing systems and integrating a paperless process.</li><li>Collaborated with multiple teams to implement SharePoint 2013 for company usage and created video tutorials of OpenText's Livelink for in-house training using Camtasia Studio.</li></ul>

## ACTIVITIES/HONORS

**Stanislaus Seal of Multilingual Proficiency** – Demonstrated writing and speaking proficiency in Assyrian and Persian.

**E&J Gallo Scholar** – For academic and extracurricular excellence in school and community.

**Academic Intern** – Served as a lab assistant for the introductory computer science courses.

**Hall Association Vice President** – Organized and coordinated multiple community service projects for freshmen students.

**Delta Upsilon Vice President of Academics** – Implemented a scholarship and an academic excellence program.

## PROJECTS

**BearMaps**  
Built a map application using images and data from the OpenStreetMap project, creating a Google Maps like interface for the area surrounding Berkeley. Like Google Maps, my application can find the fastest route between any two points and can display any part of the region in a variety of zoom levels.

**Database**  
Created a database management system (DBSM) as well as a DSL rather similar to that of SQL in user interaction. Supports a majority of select statements used in SQL.

**Hog AI**  
Programmed a computer player that effectively chooses moves in the card game Hog using the probabilities and statistics of the game.

**Yelp Maps**  
Integrated Google Maps and Yelp API in a python application to create a Voronoi diagram that divided the area around the user location into sectors that were closest to certain specified restaurants based on cuisine and Yelp rating.

**Scheme Interpreter**  
Used python to create an interpreter for a subset of the Scheme language.