

# Alexander Fu

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## Technical Skills

<b>Languages:</b>	C/C++, Java, PHP, Python, R, Spring MVC, Visual Basic
<b>Cloud Platforms:</b>	Amazon Web Services, Firebase, Heroku, Salesforce
<b>Parallel Libraries:</b>	CUDA, Hadoop, OpenMP
<b>Web Development:</b>	Ajax, CSS, HTML, JavaScript, JQuery
<b>Databases:</b>	MySQL, Oracle, PostgreSQL
<b>Server Software:</b>	Apache, Exchange, IIS, Nginx
<b>Industry Software:</b>	Adobe Suite, GDB, git, JIRA, Microsoft Office, Tableau, Windows, *nix

## Work Experience

### **rhoCode Consulting** - Senior Consultant

**August 2014 - Present**

Technical Scope: Amazon Web Services, C/C++, Java, Python, Salesforce, Spring MVC, Tableau

- Provided primary technical support by creating custom objects, client-specific features, and business management tools
- Responsible for the design of dashboard and data views to track quotas, performance, and business operations
- Participated in weekly checkups with clients to discuss project updates and developments

#### **Key Achievements:**

##### *Product Tracking and Followup*

- Spearheaded the development of an all-in-one package-tracking interface supporting all major parcel carriers
- Implemented automated email alerts for successful/failed delivery and invalid entries
- Developed an automatic daemon to monitor the database for newly shipped parcels, track parcels en-route, and update Salesforce with current status
- Designed a user interface for direct read-only SQL queries on live Salesforce instances

##### *Salesforce Raw Data Viewer*

- Created a Java package that lets developers interface with Force.com applications
- Implemented a user interface that allowed for direct read-only SQL queries on a live Salesforce instance

### **Senomyx Inc** - Supply Chain & IT Intern

**June 2014 - August 2014**

Technical Scope: Excel, Visual Basic, Oracle, Python, Spring MVC

- Worked with Supply Chain and IT VPs to automatically generate forecasts

#### **Key Achievements:**

##### *Product Forecasting Engine*

- Saved the company more than \$50k/year by eliminating the need for a full-time forecast analyst. Created a Product Forecasting Engine utilizing an Excel plugin to generate monthly forecasts by parsing millions of rows of order and research data from three separate databases
- Implemented a dynamic querying system within the forecasting spreadsheet to drill down on aggregations

### **Res-Ex** - Full Stack Application Developer

**May 2013 - June 2014**

Technical Scope: Amazon Web Services, PHP, AJAX, jQuery, HTML, CSS, JavaScript

- Created a distributed website with companion server software to enable storage and search of residential listings for University of California students.
- Used machine learning techniques and Google Maps API data to rank residential listings according to distance to campus and nearby landmarks such as bus stops and grocery stores

### **Static Studio Design** - Web Application Designer

**March 2009 - May 2013**

Technical Scope: HTML, CSS, PHP, MySQL, JavaScript, jQuery

- Created websites and applications for clients such as Chrome Collision, Keurig, and Dodge

## Education

### **University of California, Davis**

**Davis, CA**

4.0 CS GPA, 3.94 GPA, University Honors Program

### **University of California, Berkeley**

**Berkeley, CA**

4.0 GPA, Simultaneous Enrollment

## Activities / Interests

**Computer Science Tutoring Chair** - Held weekly meetings, hosted review sessions, and mentored other student tutors

**Undergraduate Researcher** - Worked on an imaging package with an emphasis on image history under Professor Norm Matloff

**Concert Violinist** - Classically trained violinist since the age of 3