Alexander Fu

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Technical and Personal Skills

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

Work Experience

rhoCode Consulting   **San Diego, CA**
Consultant   August 2013 - Present
- Offered primary support for SalesForce products by creating custom views, objects, client-specific features, and business management tools
- Designed dashboard and data views in Tableau to track quotas, performance, and business operation
- Participated in weekly checkups with clients to discuss project updates and developments
  Selected Projects:
  Product Tracking and Followup
    - Created an all-in-one package tracking interface using Python supporting all major parcel carriers
    - Developed an automatic daemon to listen on the database for newly shipped parcels, track parcels en-route, and update SalesForce with current status
    - Automated several email notifications for invalid tracking number, invalid carrier, successful delivery, or failed delivery attempts
  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   **San Diego, CA**
Supply Chain & IT Intern   June 2013 - August 2013
- Worked with Supply Chain and IT VPs to automatically generate forecasts
  Selected Project:
  Product Forecasting Engine
    - Used Visual Basic in Excel to gather, organize, and format data from three independent databases
    - Generated monthly forecasts by parsing millions of rows of order and research data
    - Implemented a dynamic querying system within the Excel forecasting spreadsheet to "drill down" on sums and aggregations
    - Removed the need to hire a full-time forecast analyst, saving the company over $50k per year

Res-Ex   **Davis, CA**
Backend Application Developer   May 2012 - June 2013
- Created a distributed website and companion server software to handle residential listing and searching for University of California college students
- Used machine learning techniques and Google Maps API data to rank residential listings according to nearby features such as bus stops, grocery stores, and distance to campus.

Static Studio Design   **Davis, CA**
Web Application Designer   Mar2012 - June 2013
- Created websites and applications in HTML, PHP, and MySQL. Clientele included Chrome Collision, Keurig, and Dodge.

Education (Graduating June 2017 with a B.S. in Computer Science)

University of California, Davis   **Davis**
4.0 CS GPA, 3.94 GPA, University Honors Program   *2013 - Present*
University of California, Berkeley   **Berkeley**
4.0 GPA, Simultaneous Enrollment   *2013 - 2015*

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
Senomyx Data Analyst - Applied machine learning techniques on big data to supplement physical experimentation
Concert Violinist - Classically trained violinist since the age of 3