

Calvin Deng

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Experience

StatSoup

Goleta

Full-Stack Web Developer

June 2016–Current

- Managed MongoDB for look-up performance and MariaDB for relational data manipulation
- Used d3.js and jQuery to create digestible visual representations of large data.
- Front end architecture made with Angular.js. Implemented single-page web app design. Use AJAX to send client side requests to custom back-end.
- Create RESTful API in XAMPP stack to deliver data to clients

Cisco Systems

San Jose

Software Engineer Intern

Jun 2015–Aug 2015

- Wrote PHP and SQL to handle database transactions and designed and optimized database architecture.
- Built and tested RESTful APIs that handle authorization and business logic.
- Created OAuth1.0 social media authentication for wifi portal. Implemented javascript solution into backbone.js MVC framework.

UCR Bioengineering Dept.

Riverside

Software Engineer Intern

Jun 2014–Aug 2014

- Created GUI to help engineers use Arduinos with Python 2.7 and SDL library.
- Wrote interpreter to read scripts for GUI generation in Python 2.7

Projects

Virus at Hack UCSB

Santa Barbara

Back-end Developer

Apr 2015

- Won first prize for Cisco's API contest.
- Wrote Python script to create the event handler, access the data from the REST API, and use Firebase as back-end for the app.

Virtual Pets

Riverside

Full-stack Developer

Sept 2015–Dec 2015

- Made RESTful API in PHP so client-side can retrieve and modify database information.
- Using pixi.js to handle rendering of environments and animations on the site. Wrote HTML5 game in Javascript.
- Used Bootstrap library and CSS3 to create UI for site.

Technical Skills

Languages: PHP, C++, C, Python, Java, Javascript

Tools: Git, LaTeX, Visual Studio, Angular.js/backbone.js, Node, Express, SQL/NoSQL, HTML5, CSS3, REST/SOAP, MVC Architecture

Education

University of California, Riverside

Riverside

BS in Computer Science, GPA: 3.1

2012–2016