

EDUARDO RAMIREZ

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EDUCATION

University of California, San Diego: B.S. Computer Science (GPA: 3.25) Expected Grad: 2016

- *Relevant Courses:* Advanced Data Structures, Computer Organization and Systems Programming, Database Systems Principles, Software Engineering, Server Side Applications, Design and Analysis Algorithms, and Theory of Computation

WORK EXPERIENCE AND PROJECTS

July 2014 – Present

Research Assistant for Ranjit Jhala at UCSD's Programming Languages Lab

- Currently porting several well-known Chrome Extensions from JavaScript to TypeScript to test for potential vulnerabilities that may appear after the source code becomes strongly typed

August 2014 – Present

GroupTyme

- Working with a group of three to create a web application that will allow groups of users to seamlessly integrate their existing calendars into an automatic schedule-syncing platform
- Using Python as the server-side language along with Django to manage: sessions, storage of data, and webpage rendering
- Application will be accompanied by an extension that will allow users to create events from anywhere in their browser

June 2013 – Present

Tutor at UCSD's Computer Science and Engineering Department

- Tutor for Data Structures and Object Oriented Design in Java under Christine Alvarado and for Programming Languages under Sorin Lerner
- Help students understand complexity, generics, and debugging of code as well as functional programming concepts such as Map, Fold, and Filter

Sept 2013 – Present

Hacker at Eve Security

- Board member at Eve where we teach students how break and secure things
- Host workshops for fellow students where they get to learn TCP/IP, Enumeration, XSS, SQLi, Git, Mining, and many other techniques
- Plan and execute Hackathon that encapsulates all the concepts and techniques taught during the year

Aug 2014 – Sept 2014

Starfish

- Created a DMCA Violation record system that allows a user to create, view, or modify records
- Implemented in PHP in order to authenticate users, create sessions and communicate with a MySQL database
- The system automatically creates a record on the database when a DMCA Violation is received
- Used by UCSD's Academic Computing and Media Services department

Aug 2013 – Sept 2014

Scalabrine

- A web application that dynamically collects JavaScript errors as they occur and displays the errors on a dashboard for a group of users to analyze
- A user can create an account for their organization and create additional developer accounts for their members
- Users embed our <script> on their own website to begin tracking their errors
- The application provides an area for users to comment on the errors and rate severity of an error

SKILLS

Technologies: Java, Python, PHP, MySQL, JavaScript, CSS/HTML, C, Unix, Git, JUnit, XCode, Vim