Bradley Bernard

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EXPERIENCE

IUNFOLLOW.COM – **Founder** – https://iunfollow.com/   **March 2011 – March 2017**
- Used the Smarty PHP Template engine to follow the MVC pattern to increase maintainability and scalability.
- Built a C program to compute the difference, intersection, and union of large PHP arrays and insert into the database.
- Performed SEO on each page to rank for keywords to increase page rank across all major search engines.
- Refactored and redesigned the code numerous times, such as upgrading from mysql_ to mysqli_ to utilize PHP 7.

SLUGWATCH.COM – **Founder** – https://slugwatch.com/   **Sept 2015 – Present**
- Designed the user interface with the Bootstrap frontend framework mixed with custom CSS.
- Concatenated, compiled and minified JavaScript, Saas, and other miscellaneous external CSS files via Gulp tasks.
- Tested the site across major browsers and screen sizes to ensure a responsive layout on desktop, mobile, and tablets.
- Shipped notifications through a Beanstalk synchronous queue to dispatch text messages, via the Twilio API, to students.
- Used object-oriented JavaScript, via jQuery, to animate elements, send AJAX requests, and register event listeners.

SHOPFLY CO – **Full Stack Developer**   **June 2016 – Oct 2016**
- Designed a RESTful API in Node.js v6.2 with ES6/vanilla JS on the Microsoft Azure Mobile Services platform.
- Created the MSSQL table structures and optimized queries that used index seeks with multiple joins.
- Crafted view controllers in Swift 2.1 which pulled and displayed data from the remote API.

O'NEILL SEA ODYSSEY – **Full Stack Developer**   **Jan 2015 – June 2015**
- Created an iPad app with PHP scripts that interacted to transfer sea navigation data into a MySQL Wordpress database.
- Sent HTTP requests from the iPad to the remote API which validated the body, and inserted it into the appropriate tables.

INSTAPROMOTE.COM – **Founder**   **May 2012 – Jan 2013**
- Implemented a referral system to create organic growth from within the website, while removing fraudulent referrals.
- Listened to customer ideas, responded to support tickets, and provided a knowledge base at instapromote.uservoice.com.

MOTHERFUMBLR.COM – **Founder**   **June 2011 – Jan 2012**
- Gamified Tumblr follow for follow with live push notifications on follows, which provided instant satisfaction for the user.
- Managed social presence on Twitter, Facebook, and Tumblr to answer questions, and provide updates on the website.

EDUCATION

University of California, Santa Cruz - Bachelor of Science in **Computer Science**   Expected **June 2017**
- Relevant Courses: Software Engineering, Computer Architecture, Data Structures, Discrete Math, Advanced Programming, Algorithms and Abstract Data Types, Assembly Language, Database Systems, Operating Systems, Compilers, Web Apps

SKILLS

Proficient in: PHP, Python, Swift, Objective-C, HTML, CSS, JavaScript, MySQL, PostgreSQL, MSSQL, Redis
Experience in: C++, C, Java, Ruby, Bash, Haskell, VB.NET

PROJECTS

ZeroBalance – iOS app (Obj-C) – https://github.com/bradleybernard/ZeroBalance   **December 2016 – Present**
- Created an open source universal iOS app, to self-learn Objective-C, that balances payments between friends.

RiftBets – iOS app (Swift) and backend API – https://github.com/bradleybernard/CMPS115   **Sept 2016 – Oct 2016**
- Practiced agile development, in particular, SCRUM, in a team of four, to create an iPhone app and RESTful API backend.
- Created real-time, time-interval based leaderboards using Redis 3 sorted sets with standard competition ranking.
- Used test driven development with continuous integration testing, via Travis-CI, on git pushes/deployments.
- Developed a deep understanding of API design, architecture, and documentation while creating a RESTful JSON API.

UCSC Grades – Python 3 script and shell/bash script – https://github.com/bradleybernard/UCSC-Grades   **June 2016**
- Python script to notify students about their grades and store them in an SQLite3 database. Deployed on AWS EC2 t2.micro.