

# Bradley Bernard

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## EXPERIENCE

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### PAYPAL – Software Engineer

August 2017 – Present

### IUNFOLLOW.COM – Founder – <https://iunfollow.com/>

March 2011 – March 2017

- Used the Smarty PHP template engine to adhere to the MVC pattern to increase code cohesion and maintainability.
- 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 highly competitive keywords to increase page rank across all major search engines.
- Refactored the code several times, such as upgrading from mysql\_ to mysqli\_ (PHP7) to avoid possible SQL injections.

### SLUGWATCH.COM – Founder – <https://slugwatch.com/>

Sept 2015 – July 2017

- Designed the user interface with the Bootstrap frontend framework mixed with custom CSS.
- Concatenated, compiled, and minified JavaScript, Saas, and other external CSS files via automated Gulp tasks.
- Tested the site across major browsers and screen sizes to ensure a responsive layout on desktops, phones, 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 with ES6 and vanilla JS on the Microsoft Azure Mobile Services platform.
- Created the MSSQL table structures and designed highly optimized queries that always used index seeks with multiple joins.
- Crafted view controllers in Swift 2.1 which requested and displayed data from the remote API.

### O'NEILL SEA ODYSSEY – Full Stack Developer

Jan 2015 – June 2015

- Created an iPad app that communicated with a PHP API to save sea navigation data into a MySQL Wordpress database.
- Sent HTTP requests from the iPad to the API which interfaced with a custom Wordpress plugin to validate incoming data.

### 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 feedback/ideas, responded to tickets, and provided a knowledge base at [instapromote.uservoice.com](https://instapromote.uservoice.com).

## EDUCATION

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### University of California, Santa Cruz - Bachelor of Science in Computer Science

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

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**Proficient in:** Swift, Objective-C, PHP, Python, HTML, CSS, JavaScript, MySQL, PostgreSQL, MSSQL, Redis

**Experience in:** C++, C, Java, Ruby, Bash, Haskell, VB.NET

## PROJECTS

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### ZeroBalance – iOS app (Obj-C) – <https://github.com/bradleybernard/ZeroBalance>

December 2016 – July 2017

- Created an open source universal iOS app, to self-learn Objective-C, that balances payments between friends and family.

### 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.
- Followed test driven development with continuous integration testing, via Travis-CI, on git pushes/deployments.
- Developed a deep understanding of API design, architecture, security, and documentation while creating a RESTful API.