

# Bob C. Toney

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**Profile** Software Engineer with a main focus on frontend web. Fluent in JavaScript, Python, and HTML5 technologies. Interested in working with React, React Native, Electron, and Golang.

<http://www.oliphants.com>  
<https://github.com/bobenheimer>

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**Skills**

**Languages:** JavaScript, Python, Java, PHP, SQL  
**Technologies:** React, Node, Less, Sass, AWS, Yarn, Npm, Knockout, Angular, Electron, Webpack, Grunt, HTML, CSS, Pyramid, Django  
**Workflows:** Git, Jira, Agile

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**Experience**

**Ten-x**  
*Software Engineer* June 2017 - Present

- Worked on data visualization webapp using React, Redux, Recharts and D3 to be used by external real estate sellers via Salesforce.
- Architected and prototyped reverse-proxy in Golang as part of broad company initiative to decouple web apps.
- Diagnosed and fixed multiple Node/Express/Webpack server and client issues to increase server performance and reduce JavaScript client bundle size.
- Worked on team initiative to increase user engagement on [Auction.com](http://Auction.com) with improved UX and branding refresh.

**SendGrid**  
*Software Engineer IV (Labs)* February 2017 - June 2017

- Using AWS Lambda, NodeJs, and ClaudiaJs, created fully serverless framework to easily and quickly create web applications.
- Created React Components from existing jQuery styleguide.
- Built labs experiments homepage using Node, React, and MobX.
- Created advertising web application using Node, React, and MobX.
- Set up relational database ORM models for Node projects using Sequelize.

**Ten-x**  
*Software Engineer* May 2016 - January 2017

- Worked on both [Auction.com](http://Auction.com) (Residential) and [Ten-x.com](http://Ten-x.com) (Commerical) real estate web applications.
- Worked as part of SCRUM team on multiple isomorphic applications using React, Redux, Webpack, and Babel with Node/Express backend.
- Improved overall UX on [Auction.com](http://Auction.com) by helping architect a universal login/signup experience across all legacy AngularJS and newer ReactJS applications.
- Participated in React/Node re-write of foreclosed homes PDP (Product Description Page) for [Auction.com](http://Auction.com).
- Created new ad generation application in React and Node to replace legacy PHP system.

## Bitcasa

*Software Engineer*

January 2013 - April 2016 (Company Folded)

- Sole frontend engineer from February 2015 to April 2016.
- Ported all frontend projects from Angular/Knockout to React, Reflux, Webpack, and Babel to streamline technologies and improve performance.
- Developed unit testing with Karma and Jasmine.
- Mentored summer intern to help with internal admin application.
- Replaced fragile Photoshop script with automated system using React, Less, and PhantomJS to generate partner branded logos and icons from an HTML webpage.
- Architected and created system using Mustache, Grunt and Less for design and support teams to create branded documentation to distribute to business partners.
- Architected and created automated build system using Grunt, FPM, and Jenkins to build debian package per business partner to ease deployment and versioning for operations.
- Built "Turnkeyable" cloud storage web application using Grunt, Mustache, KnockoutJS and jQuery for business partners to retain their company branding, but not have to build out their own cloud infrastructure and apps.
- Created Python Pyramid views for cookie-based authentication.
- Maintained account and billing features in external AngularJS admin application for business partners.
- Co-developed full rewrite of large consumer cloud storage web application with Grunt, KnockoutJS and jQuery to improve performance and maintainability.
- Ported over shared files backends from Django to Python Pyramid and added browsable shared files/folders features.
- Managed and architected Zendesk API integration in Python.
- Maintained Windows Store (aka Metro) App.
- Sole developer of camera backup Firefox OS app using AngularJS.

## Atypon Systems

*Operations Engineer*

August 2012 - October 2012

- Used and maintained software to patch and re-deploy web servers used in large Java enterprise software.

## SLAC National Accelerator Laboratory

*Software Engineer Intern*

June 2011 - March 2012

- Designed, implemented and tested internal web tool using jQuery, CSS, and HTML to monitor scientific instrumentation.
- Wrote Comet web-server using Python Tornado to talk between jQuery frontend and Twisted backend to communicate with scientific equipment.

## SLAC National Accelerator Laboratory

*Freelance Web Developer*

August 2009 - February 2011

- Designed website using XHTML and CSS for research group.

- Gathered requirements and worked with client on several mock-ups.

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Education

## San Jose State University

*Computer Science Major, Math Minor*

September 2008 - May 2012

- 3.78 GPA
- Graduated magna cum laude
- Dean's scholar 2009-2011
- Member of SJSU Computer Science Club
- Developed simple wiki and URL shortener sites using XHTML, CSS, PHP, JavaScript and MySQL.
- Developed REST web service using both JSON and XML.
- Developed an application to compare user's captured motion data against a pre-recorded set of motion data to facilitate learning Kung Fu by using Microsoft Kinect SDK, C#, and XAML.
- Created Mancala game using Java Swing.