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Unit 1
Berkeley, CA 94704

SHASHANK BHARGAVA

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EMPLOYMENT

Software Engineer Intern	Nestio	5/2015-8/2015
<ul style="list-style-type: none">• Wrote API for real-time updates to syndication of Nestio listings to Zillow, Trulia, and HotPads• Worked on various smaller projects using a stack of PostgreSQL, Django and Backbone.js.		
Full Stack Software Engineer	Forward Philly	2/2014 – 8/2014
<ul style="list-style-type: none">• Designed web applications atop a stack of MongoDB, Node.js, and Express• Reproduced maps of Philadelphia using PostGIS and Node.js with data from Open Data Philly Initiative• Wrote scripts used for upload to MongoDB and Salesforce		
All-Purpose Intern	LoadStar Sensors, LLC.	6/2013 – 7/2013
<ul style="list-style-type: none">• Designed cross-platform software for sensor communication in Java.• Handled phone calls, production of sensors, and designing sensor software		

EDUCATION

Berkeley, CA	University of California, Berkeley	Expected Graduation: 2017
<ul style="list-style-type: none">• Pursuing B.A. in Computer Science & Statistics• Undergraduate Coursework: Probability, Discrete Mathematics, Fundamentals of Data Science, Data Structures & Algorithms, Cutting Edge Web Technologies, Linear Algebra & Differential Equations, Structure and Interpretation of Computer Programs, Concepts in Computing with Data		

TECHNICAL EXPERIENCE

Projects

- **Gitlet.** Created miniature version of Git that implemented features such as commit, checkout, rebase, merge, and more. Java.
- **WordNet.** Created a miniature version of Google's NGram viewer (<https://books.google.com/ngrams>). Java.
- **Sentiment Analysis.** Created web app that, via Facebook Graph API, performed sentiment analysis on Facebook messages to decipher sentiment towards different topics of conversation with different people. Javascript, NodeJS, MongoDB, Mongoose.
- **BitCoffee.** Built an Internet enabled coffee machine with a Raspberry PI that can make coffee via Bitcoin transfer. C, Python, Javascript.
- **YikHak.** Created bot for upvoting, downvoting, posting, and deleting YikYaks at colleges across the country by reverse engineering the YikYak API. Python.
- **Scheme Compiler.** Built a compiler for the Scheme functional programming language. Python.

ADDITIONAL EXPERIENCE AND AWARDS

- **Fellow, HackNY.** Selected by hackNY as a Fellow for summer 2015. Worked at Nestio as part of the fellowship.
- **Director, Cal Hacks.** Managed external communication & workshop organization for 1,500 student intercollegiate hackathon held at UC Berkeley, the largest collegiate hackathon ever.
- **Fellow, Kairos Society.** Fellow at Bay Area Kairos Society. Empowering students to try to solve tomorrow's problems through companies and technology enterprise.
- **Second Place, Pilot Philly Hackathon.** Won second place overall for an Android application for presentation notecards.
- **Whisper API Prize, HackTech.** Won Whisper API prize for using geolocation of Whispers to tell stories in NYC.

PROGRAMMING LANGUAGES AND TECHNOLOGIES

Proficient: Python, Javascript, HTML/Jade/Handlebars, Scheme, Java, R. Prior Experience: Ruby, PHP
Tools: Git, Django, PostgreSQL, Flask, MongoDB, Mongoose, Salesforce, Express, GIS, JQuery, Node.js, Meteor, MySQL.