2601 Warring Street
Building 8, Room 108
Berkeley, CA 94720

SHASHANK BHARGAVA

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EMPLOYMENT

Full Stack Software Engineer	**Forward Philly**	**2/2014-Present**

- 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

Software Development Intern	**Y-Prime Technologies, LLC.**	**7/2013 – 9/2013**

- Developed internal project management and communication software in Ruby on Rails

All-Purpose Intern	**LoadStar Sensors, LLC.**	**6/2013 – 7/2013**

- 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**

- **Pursuing B.A. in Computer Science & Statistics**
- **Undergraduate Coursework**: Linear Algebra & Differential Equations, Structure and Interpretation of Computer Programs, Discrete Mathematics (Spring 2015), Data Structures & Algorithms (Spring 2015), Computing with Data (Spring 2015)

TECHNICAL EXPERIENCE

Projects

- **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.
- **AutoFlip.** Created android app for presentation notecards that flipped cards automatically based on voice recognition. (Second Place, Pilot Philly Hackathon.) Java.
- **Anycdote.** Created web app that showcased the heartbeat of every city by integrating a text to speech with Whisper, narrating the Whisper based on geolocation. Ruby on Rails.
- **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

- **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 AutoFlip.
- **Whisper API Prize**, **HackTech.** Won Whisper API prize for Anycdote.

PROGRAMMING LANGUAGES AND TECHNOLOGIES

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