

# Sridatt Bhamidipati

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## Education

**University of California, Davis** Davis, CA

Intended Major: B.S. Computer Science & Engineering

**Expected Graduation: June 2017**

Major GPA: 3.34

## Skills

**Languages** – C++, C, Node.js, JavaScript, HTML, Unix, Git, MATLAB, Objective-C (iOS)

**Tools** - MongoDB, Bootstrap, XCode, Microsoft Word, Excel, PowerPoint, GDB Debugger

## Projects

**Delivr | HTML, JavaScript, JQuery, Node.js, MongoDB, Git**

**February 2015**

- Created an Uber-like web app for food delivery featuring a newsfeed of user-updated requests
- Used MongoDB + Node.js for back-end and AJAX framework + jQuery library for front-end
- Integrated Facebook API for login system and push notification compatibility on iOS using Firebase

**NetworkMe | HTML, JavaScript, JQuery, NodeJS, MongoDB**

**December 2014**

- Built a web app that allows users to create accounts and upload pictures onto a newsfeed
- Implemented features such as liking/commenting on photos and searching for/following users
- Used MongoDB + Node.js for back-end and AJAX framework + jQuery library for front-end

**BobaFetch | Objective-C**

**September 2014**

- Created an iOS app written in Objective-C that lets users choose to have delivered a milk tea drink within a selection from a local store
- Used Sendgrid API to send email notification containing order request information from users
- Utilized Table View Controllers to populate tables and segues to pass data between controllers

**Sustainable Urban Planning | MATLAB**

**May 2014**

- Created a computer app in which users can drop solar panels and wind turbines on a map of a city
- Incorporated features that allow users to view energy statistics based on strength of devices + dropped locations and save/load the image when desired
- Implemented the graphic user interface and back-end in MATLAB

## Experience

**Scanning Tunneling Microscopy Research | Undergraduate Researcher**

**August 2014 – Present**

- Created a mechanical design of a geared stepper motor-based scanning tunneling microscope
- Performed lab experiments to measure electrical conductance of gold nanoparticles

**Western Association of Schools & Colleges Visit | WASC Committee Member**

**March 2013**

- Conducted surveys, interviews, and meetings with staff and students of California High School
- Discussed and analyzed observations taken during the day alongside team of six administrators
- Drafted a detailed narrative containing feedback about the school's curriculum

## Coursework/Activities

**Engineering** – Advanced Circuit Analysis (current), Principles of Device Physics (current)

**Computer Science** – Data Structures in C++(current), C, C++, MATLAB, x86 Assembly

**Math** – Differential Equations, Multivariable Calculus, Linear Algebra, Discrete Mathematics

**Clubs** – IEEE, Robotics Club, Tennis Club, Southeast Asian A Capella Team