

Sirjan Kafle

sxk1693@berkeley.edu | 972-900-2931 | <https://github.com/SirjanK>

EDUCATION:

University of California at Berkeley

Berkeley, CA

Coursework in Electrical Engineering and Computer Science

Aug 2015-Current

Science and Engineering Magnet

Dallas, TX

Rank: Valedictorian

Aug 2011-May 2015

GPA: 4.0

EXPERIENCE:

Mobile Developers at Berkeley

Developing Mobile applications in Android and iOS that have pertinent effects on society. Currently designing a productivity app to aid in general procrastination.

Android CS 61A App:

Designed Android Mobile Application for Freshman CS class that potentially aids over a 1000 students. Parsed the course website using Java toolkits and worked with CardViews in Android.

StreetUP Web Application at CalHacks (in progress):

Proposed and engineered a Web Application for organizing Pickup Basketball games at Berkeley using Angular JS, HTML5, and CSS for Frontend development, and Flask and SQLAlchemy for Backend development.

UIL Computer Science Team Captain

Collaborated with a 3 person team in a Texas Wide Java programming competition. Modeled after ACM Intercollegiate Programming Competition.

Research at University of Texas at Dallas (Nanoexplorers Program)

Designed and manufactured THz Optical waveguides. Worked extensively with MATLAB and LaTeX to design and analyze graphs and presentations.

COURSEWORK:

UC Berkeley:

CS61A – Structure and Interpretations of Computer Programs, Practical Programming – Git, Web Development, Usage of APIs, Open Source Contributions, Additional Topics in 61A – Supplementary Course covering Lambda Calculus, Object System Implementation, Machine Learning, and more.

EE16A – Designing Information Devices and Systems 1, Math 54 – Linear Algebra & Differential Equations

Science and Engineering Magnet:

AP Computer Science – Java Programming Class, Web Programming – Javascript, HTML5, CSS, Flash/Actionscript Class

AWARDS:

UIL Calculator Applications State Champion:

Organized and led 4 person team to win first place in Texas for pre-engineering, problem solving competition.

SKILLS & LANGUAGES

Java, Python, Javascript, Angular JS, Flask, HTML5, CSS, Flash/Actionscript, Git, LaTeX, MATLAB, UNIX