

Kunal Gosar

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Education

University of California, Berkeley - (Major GPA: 3.9, Technical GPA: 3.82)

Expected: May 2019

Bachelors of Science in Electrical Engineering and Computer Science (EECS)

Bachelors of Science in Engineering Mathematics and Statistics

Relevant Coursework: Data Structures (CS 61B); Computer Architecture (CS 61C); Machine Learning (Coursera); Designing Devices and Systems I & II (EE16A & EE16B); Discrete Mathematics and Probability Theory (CS 70); Linear Algebra and Differential Equations (Math 54);

The Leadership Award Scholarship, Cal (Berkeley) Alumni Association

International School of Basel, Switzerland

June 2015

International Baccalaureate; High School Diploma.

Work Experience

Undergraduate Researcher, UC Berkeley – Electrical Engineering and Computer Science

Sep 2016 - Current

Researcher in Professor Sanjit Seshia's Group (Embedded Systems) – Working on Signal Temporal Logic

Building a framework to generate dynamic controllers – based on BluSTL project

Verizon Wireless, Network Engineering Intern, Westlake, TX

June 2016 – Aug 2016

Working in Network Database Management (NDBM)

Wrote scripts for data processing and built database components for the network (e.g. FCC document generation)

Developed a tool to scrape IR21 PDFs, validate IPs and write to network database (Saved ~10hrs/week by automating)

Built programs to track data read from IR21s for roaming partners and generate build reports for updating firewalls.

Novartis Pharmaceuticals, Software Engineering Intern, Basel, Switzerland

Summer 2014

Worked in User Interface Development and Testing for Enterprise Software.

Assisted Project Managers in tracking action items for the global deployment of enterprise systems software.

Personal Projects (shown on kunalgosar.me)

vStock Analytics, Co-Founder, Full Stack Developer - <http://vstock.io>

Built a stock trading game for users to trade stocks on a real-time virtual market. Built a RESTful API for users to build trading bots to use with our platform. We use Machine Learning to mine user data and analyze stock trades.

Built on MEAN Stack: NodeJS, MongoDB, AngularJS. Repository at github.com/kunalgosar/StockTrade

Personal Website, Hosted at kunalgosar.me, Repository at: github.com/kunalgosar/kunalgosar.github.io

Class Projects

Text Editor, Completed as part of CS 61B (Data Structures and Advanced Programming)

Built with JavaFX. Functionality includes: Word Wrap, Undo-Redo, Open-Save, Window Resizing, Scrolling, Font Resizing, Arrow Keys and Text Editor responds to mouse clicks.

Other Activities

Berkeley Debate Society: Competed in tournaments at Stanford and Princeton, ranked nationally at Stanford.

Lab Assistant for CS61A: Held office hours and assisted at lab sections to facilitate the intro CS class at Berkeley.

Course Staff for EE16A: Member of the course staff, working in lab sections for the intro EE course at Berkeley.

Technical and Language Skills

Technical Knowledge: Java, Python, C, MEAN Stack, NodeJS, Machine Learning, SQL, HTML, CSS, JS

Languages: Fluent in English, Hindi.