

# Etan Khanal

## Present Address

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## Permanent Address

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## Objective

A research or software development internship in your company.

## Education

Current GPA: 3.43

University of California, Berkeley, B.A. in Computer Science and Applied Mathematics, expected May 2018.

## Relevant Coursework

<b>Computer Science 189</b>	Machine Learning	Fall 2016
A proof based ML course.		
<b>Computer Science 168</b>	Computer Networks	Fall 2016
Project based networks course.		
<b>Computer Science 188</b>	Artificial Intelligence	Summer 2016
A project based AI course.		
<b>Computer Science 170</b>	Algorithms and Theory	Summer 2016
Advanced algorithms and theory course containing a large final project.		
<b>Math 118</b>	Fourier Analysis	Spring 2016
Analysis of the Fourier family of functions and applications in signal processing.		
<b>Computer Science 61C</b>	Computer Architecture	Fall 2015
A project centered course about computer organization and hardware.		
Class projects available upon request.		

## Programming Knowledge

Extensive experience programming in **C**, **Java**, **Scheme**, and **Python**.  
Extensive experience in **Unix** with bash scripting.  
Experience with **AWS**, **Spark**, and **OpenMP** performance programming.  
Experience in **TensorFlow** machine learning framework.  
Experience with **electronic test equipment** and circuits.  
Working knowledge of **git** version control.

## Projects

Current member of CITRIS nanostructures research group with Dr. Waqas Khalid, working on a team to implement software that works with and analyzes data from carbon nanotube based potentiostats, housed and used on an integrated circuit. The device is currently used for electrochemical sensing, with future applications in energy, bio-sensing, and consumer electronics.

## Work Experience

Usher Captain		
Cal Performances	Started 7/14	I coordinate teams of ushers to facilitate an unparalleled performing arts experience.

## Volunteer

El Centro Regional Medical Center 6/13 - 8/13		I gave medicine, food, and joy to patients in the ICU, and also contributed secretarial and custodial services.
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## Honors

Dean's List	2014 - 2015
Recipient, Kraft Award for Freshmen	2014

## Activities & Skills

Member, Berkeley Debate Society.  
Writer, The B-Side.  
Spoken Languages: English, Nepali.