Zekun Wang

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Objective

I am a second year student at UC Berkeley looking to intern as a software developer for the summer of 2015.

Education

University of California, Berkeley

B.S. Electrical Engineering & Computer Science, Bioengineering | GPA: 3.15 Expected May 2017

Programming Languages/Software

- MATLAB
- Java
- Python
- C
- Android
- Eclipse
- MIPS
- HTML
- Latex
- UNIX
- Map/Reduce
- Open MP

Wetlab Skills

- PCR
- DNA gel electrophoresis
- Cultivating bacterial cultures
- Transforming bacteria
- Creating LB agar plates with various antibiotics
- Designing Oligonucleotides for PCR

Experience

Research Intern

Berkeley Biolabs with Dr. Ron Shigeta, Harvard Medical School June 2014-December 2014

- Identified and isolated circadian promoters in plants.
- Analyzed data from microarrays
- Worked with SnapGene to simulate the insertion of a PCR product into a plasmid
- Worked with Biopython to obtain the sequences of specific fragments of DNA
- Work was part of a collaboration between Berkeley Biolabs and the Glowing Plant Project based in San Francisco

Technical Courses

- Data Structures in Programming
- Computer Architecture
- Metabolic Engineering in Cells
- Biophysical Chemistry of Proteins and DNA

Soft Skills

- Fluent Oral Mandarin Chinese
- Teamwork
- Resourceful
- Independent

Projects/Awards

- Space Hackathon Sponsored by Edison (November 2014)
  - Created proof of concept for bioreactor to be used in space.
  - Created software for sensors linked to an Intel Edison board
  - Placed first in life science division
- InWatchZ Hackathon (February 2015)
  - Created proof of concept for Android based smartwatch app that would use Facebook API's to friend users based on physical gestures using Bluetooth
  - Placed second overall