

Brandon Jinwoo Pang

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EDUCATION

University of California, Berkeley

Expected: Bachelor of Science, Electrical Engineering and Computer Science, May 2017

GPA: 3.30

Arcadia High School

GPA: 4.00 - Class Salutatorian, May 2013

Relevant Courses: Computer Security (*In Progress*), Machine Learning, Database Systems, Artificial Intelligence, Efficient Algorithms, Data Structures, Machine Structures, Discrete Mathematics and Probability Theory, Structure and Interpretation of Computer Programs, Linear Algebra

Skills/Languages:

Proficient: Python, Java, XML

Familiar: C, C++, HTML, Javascript, CSS, LaTeX, SQLite, Spark, Scala

PROJECTS

Swype | Java, Android/XML

An Android application that keeps track of user-inputted tasks and projects

- Built the entire Android application on my own
- Connected with the Facebook API to allow Facebook login credentials
- Created a database through Parse to record the created tasks

HackSudoku | Python | HackSC

A web application that solves a given Sudoku puzzle

- Implemented boolean satisfiability to quickly scan through possible permutations
- Coded to cleanly display the solved Sudoku puzzle back to the user

DNA Reconstruction | Python

A program that reads substrings as input and reconstructs the original DNA sequence

- Devised a greedy algorithm to accomplish the goal in $O(n \log n)$ time

Spam Filtering Detection | Python

A program that determines whether an email is spam or ham

- Utilizes k-forests algorithm to evaluate features of an email
- Determined the specific features used in the program

Scheme Interpreter | Python

A Scheme interpreter that returns python commands given scheme commands

- Evaluates most basic commands written in Scheme

EXPERIENCE

Laboratory Assistant CS61A, UC Berkeley

June 2014 - Present

- Led and hosted office hours/tutoring sessions for students
- Guided and assisted students in labs, homework, and projects

System Administrator Assistant, Berkeley Wireless Research Center

Sept 2013 - June 2014

- Developed and continuously updated the BWRC website and BWRC wiki page
- Troubleshooted various server-side issues, network issues, and other technical problems
- Assembled and installed both software and hardware for the research center

EXTRACURRICULARS

Kendo Club, Board Member

June 2013 - May 2014

- Adminstrated multiple social and practical events for the club