Nathan Chong

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http://clambda.github.io/

Education

August 2012 - Present
University of California at Berkeley
Bachelor of Arts, Spring 2016 - Major: Computer Science

Skills and Qualifications

- Comfortable with Windows, Mac, Ubuntu, Unix
- Microsoft Office, Open Office
- Proficient in Python, Java, C, HTML, CSS
- Familiar with Javascript, JQuery, LaTeX

Selected Coursework

- Computer Science 162 – Operating Systems (currently enrolled)
    - Implemented a priority thread scheduler in C for the Pintos OS, a multilevel feedback queue, and key parts of the syscall handler (wait, read, right, etc.)
- Computer Science 170 – Efficient Algorithms and Intractable Problems (currently enrolled)
- Web Design DeCal
- Computer Science 161 – Computer Security
    - Implemented a TLS handshake in C which used repeated squares RSA to verify certificates and compute a symmetric key for use with AES encryption.
- Computer Science 168 – Introduction to the Internet: Architecture and Protocols
    - Implemented a reliable transport protocol similar to TCP, and an active application-layer firewall which filtered internet packets in an Ubuntu virtual box, both in Python.
- Electrical Engineering 20 - Structure and Interpretation of Systems and Signals
- Computer Science 61C – Machine Structures
    - Designed a two-stage pipelined processor for the Ida assembly language in Logism, and parallel Minimax game tree search using MapReduce over the Hadoop framework in C.

Work Experience

June 2012 – July 2014
Ambassador
San Diego County Fair
December 2012 – January 2013
Library Cataloguer
Peterson Beverly MFT
Catalogued and organized 6,000+ book library in Microsoft Excel
July 2010 – August 2012
Setup Tech
Unitarian Universalist Fellowship of San Dieguito
Completely independent work, sound system setup and control