CHRISANTHA J. PERERA

904.228.7712 ⋄ chrisantha@alum.mit.edu

636 Andover Street ⋄ San Francisco, CA 94110

EXPERIENCE

Plum Lending September 2018 – Present

Backend Software/Data Engineer *San Francisco, CA*

Worked on a team of 3 engineers improving an ETL pipeline for Commercial Real Estate owner, property, and loan data. Added new data sources and API integrations for data cleaning, verification, and augmentation. Improved data visibility for internal consumers such as the data analysis and machine learning teams. This stack used Java, Python, MongoDB, AWS, ElasticSearch, and Snowflake.

Thanx May 2018 – August 2018

Full-Stack Software Engineer *San Francisco, CA*

Worked to improve a customer loyalty system. Contributed to web dashboards, analytics, and marketing campaigns for retail and restaurant customers; also worked on complementary mobile apps for consumers to view loyalty progress and rewards. Implemented new features and fixed existing ones. Worked on native iOS and (hybrid web/mobile) Android apps. Used Ruby, Javascript, XCode + Swift.

Castle Global June 2017 – December 2017

Backend Software Engineer *San Francisco, CA*

Worked on a team of 4 engineers improving Hive, a machine learning and data labeling product. Added image, audio, and video labeling methods as well as metrics for evaluating moderators. Key functional components were RabbitMQ, asynchronous Javascript, postgres and Cassandra.

Oracle November 2014 – January 2016

Software/OS Engineer *Santa Clara, CA*

Updated sections of the legacy Solaris codebase on the Solaris Cryptography and Key Management team. Improved Solaris Compliance auditing of system security properties, working with configurable security policies and conforming to standards listed in SCAP. Led project to integrate Solaris Compliance with a dashboard product from Solaris Analytics, another Oracle group.

Roles left out for brevity: Computer Security, Nanotech Research, Online Delivery Startup, Volunteering

EDUCATION

Massachusetts Institute of Technology September 2008 – June 2012

B.S. in Electrical Engineering & Computer Science *Cambridge, MA*

Relevant Courses: Database Systems; Computer and Network Security; UI Design and Implementation; Computer System Engineering; Artificial Intelligence; Intro to Algorithms; Design and Analysis of Algorithms; Elements of Software Construction; Research in EECS

Overall GPA: 4.2/5.0 *additional coursework available*

TECHNOLOGIES AND LANGUAGES

Languages & Protocols	Python, Java, HTML/CSS/Javascript, XML, JSON, and OpenSCAP
Databases	PostGres, Cassandra, MySQL, SQLite, MongoDB
Tools & Misc	Vim, Bash, Sublime, Flow, Mocha, jQuery, d3.js, Eclipse, IntelliJ
Operating Systems	Solaris, Linux (Ubuntu and SciLinux, RHEL), Mac OS

PROJECTS AND PUBLICATIONS

Third author on joint paper published in Nano Letters, 2010:

Anomalously Large Reactivity of Single Graphene Layers and Edges

App Permissions, Isolation, and Sandboxing (Class Project in Computer Security)

Private Matching and University Admissions (Class Project in Computer and Network Security)

Exploring Security CTFs, Web/Binary Exploitation, and Mobile (iOS and Android)