

Parth Pendurkar

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Experience

Professional

Punchh, Inc.

Bay Area

Software Engineer (Part Time)

June 2018 –

A company that creates business tools such as loyalty programs and acquisition campaigns to engage customers and boost sales.

- Helped design and implement ETL (Extract, Transform, Load) processes for a Snowflake-based database.
- Developed a method to find 'lookalike' users for Punchh Acquire using data enrichment and filtering techniques.
- Pioneered work on Punchh Acquire's ML models that are geared towards personalized signup offers.

Ampool, Inc.

Santa Clara

Software Development Intern

June 2017 - September 2017

A startup aimed at offering a robust, fully featured in-memory data store, allowing companies who handle vast quantities of data to make use of the speed of memory in transactional and high-throughput processes.

- Developed two SQL connectors for native database access through Apache Calcite and Cassandra.
- Verified and updated API documentation and created in-depth tutorials for the framework.

ON.Lab

Menlo Park

Software Development Intern

June 2016 - August 2016

A startup that is revolutionizing the software networking realm through their Open Networking Operating System, or ONOS, which allows developers to create advanced, high-throughput applications on a stable, self-repairing architecture.

- Crafted a visual mapping tool for developers to use while working with package level dependencies.

Organizations

UCLA DevX

UCLA

Senior Developer

2017–

A club of software developers who aim to better the atmosphere, lifestyle, and community of UCLA, one project at a time.

- Lead iOS development on Study Smart, an app that tracks the business of study spaces on campus.

Kidz Kode

Saratoga

Founder

2014–2017

A registered nonprofit tailored toward teaching the basic fundamentals of programming in order to instill long-lasting, beneficial values of computer science in young kids across the bay area.

- Founded and helped spread the program, with its hand-built curriculum, to several locations around the Bay Area.

Harker Programming Club

The Harker School

Treasurer

2014–2017

A school based organization that hosts coding contests and organizes the Harker Programming Invitational every year. Sponsored by IBM, Stanford, CMU, and more.

- Acquired and managed sponsor relationships with many different companies and institutions.
- Handled asset allocation and logistics for the invitational.

Los Gatos Youth Commission

Los Gatos

Commissioner

2015–2016

An organization that focuses on issues important to teens in the community and serves to bridge the gap between adults and teens in and around Los Gatos by implementing ideas to make the town more youth friendly.

- Passed an e-cigarette smoking ordinance through the town council.

Volunteering.....

The Tech Museum of Innovation **San Jose**
Exhibit Interpreter 2014–2017
A museum located in San Jose dedicated to the dissemination of scientific and technological knowledge.

Harker Science for Youth **The Harker School**
Presentation Officer 2013–2017
An organization that holds free monthly presentations at local libraries on topics such as Biology and Physics.

Education

University of California: Los Angeles **Los Angeles**
B.S., Computer Science, degree anticipated 2021 2017–

The Harker School (GPA: 4.52) **Saratoga**
High School Diploma 2013–2017

Coursework (with AP scores).....

Programmatic: CS35L, CS33, CS32, CS31, Honors Computer Architecture, Honors Programming Languages, Honors Data Structures, AP Computer Science (5)

Mathematics: Math 61, Math 33B, Math 33A, Math 32B, Math 32A, Honors MVC, Honors Linear Algebra, Honors Differential Equations, AP Calculus BC (5)

Science: Physics 1B, AP Physics C (5/4), AP Economics (5/5), Honors Game Theory, AP Chemistry (5)

Other: Deep Learning Specialization (deeplearning.ai, Coursera), Machine Learning (Coursera)

Skills

Programming Languages: C++, Java, Python, C, Swift

Machine Learning: Keras, Tensorflow, Theano, Octave/MATLAB

Big Data: AWS, Snowflake, SQL

Projects

Meet Me: iOS App, 2016

Pocket Chef: iOS App, 2016

Hire Me: iOS App, 2016

Color IQ: iOS Game, 2015

Near Sighted: iOS Game, 2015

Streak: iOS App, 2017

Papers

Siemens Competition **UCSC**
Bioinformatics 2015
Optimizing Existing Models of RNA Sequence Data Analysis: A Novel Infrastructure to Advance the Timeline of Current Methods

CIF Conference **The Harker School**
Nuclear Nonproliferation 2015
Historical Precedents and Policy Analysis in the Development of Proposed Nuclear Mishap Response Plans

Awards

Hackathons: 1st Place GunnHacks, 2nd Place Los Altos Hacks, 2nd Place BaseHacks

Programmatic: USACO Silver Division

Community: President's Service Award, Los Gatos Mayor's Commendation for Exceptional Service