SPENCER CHENG

T: 415.706.8600   **email**: spencerhcheng@gmail.com
Github: github.com/spencerhcheng
LinkedIn: linkedin.com/in/spencer-cheng-284b4b55

Software engineer proficient in Python, C, and Bash. Possess full-stack experience building web-apps. Background in product strategy and research. I love to solve problems and believe software is the most powerful creative tool we have.

PROJECTS

BYTE CODE INTERPRETER - Interpreter for Monty 0.98 ByteCode files that is able to update and manipulate elements in the stack and queue.

AIRBNB CLONE - Front to back execution utilizing Python, storage engines (JSON file and MySQL), RESTful API (Flask), rendering (jquery, Jinja2), HTML

GUI SCORE - Web app that populates the best restaurants in your area and displays aggregate score using Yelp, Foursquare, Zomato. Built with Python, MongoDB, Flask, React, Bootstrap.

UNIX COMMAND INTERPRETER - Custom UNIX Bash shell that offers PATH handling and processes command line commands such as ls, cd, env, exit, setenv, help, history, etc.

EXPERIENCE

GERBER TECHNOLOGY, NEW YORK, NY
STRATEGY AND MARKETING, PLM SOFTWARE   JUNE 2013 - AUG 2016
- Performed in-depth market research and competitive analysis on various regions and industries, looking at economic indicators, consumer trends, market size for entry into prospective markets.
- Prepared proposal for PLM cloud-based software; generated assumptions for sizing, financials, and conversion rates. Analyzed lead metrics, including conversion rates and activity trends.

SILLEY CIRCUITS - TECHNOLOGY NETWORKING GROUP, NEW YORK, NY
PARTNER & CONSULTANT   AUG 2013 - JAN 2018
- Organize events to bring together a diverse group to discuss new business ideas and technology trends in New York and broader markets. Guest speakers have include Divya Narendra, John Mack, Howard Morgan, Dick Fuld Jr, Cliff Schorer, Patrick Sullivan.
- Engaged with technology start-ups, offering consulting advice for market entry, business expansion strategy.

SAECULUM RESEARCH, NEW YORK, NY
STRATEGY AND BUSINESS DEVELOPMENT   JUNE 2013 - MAY 2016
- Proposed medium-term business strategy including analysis of competition, marketing direction, intended audience, and methods of growth. Developed investor proposal decks and prospective client pages.

PROFESSIONAL DEVELOPMENT

HOLBERTON SCHOOL, *San Francisco, CA*   FEB 2017 - PRESENT
- Software engineering, Certification

EDUCATION

COLUMBIA UNIVERSITY, New York, NY   JAN 2010 - MAY 2013
- B.A. Economics (minor in Political Science)

SKILLS

Programming/Scripting: Python, C, Javascript, Bash
Databases: MySQL, MongoDB, SQLAlchemy
Web Development: HTML, CSS, Bootstrap, Python (Flask), JQuery, Javascript, Docker, Jinja2
Servers: SSL, Firewall, Load Balancer, DB replication, NGINX, Apache, gunicorn

Project management: Trello, Zoho
Visualization: Sketch, Photoshop, Illustrator
Languages: English, Chinese (mandarin)