

Vincent Song

<http://vwsong.com>
vincentwsong@gmail.com | 443.824.3228

EDUCATION

UNIVERSITY OF MARYLAND

B.S., COMPUTER SCIENCE

MINOR, LINGUISTICS

December 2019 | College Park, MD

LINKS

Github:// [vwsong](#)

LinkedIn:// [vwsong](#)

Flickr:// [vwsong](#)

Website: [vwsong.com](#)

COURSEWORK

CMSC451: Advanced Algorithms

CMSC498C: Randomized Algorithms

CMSC330: Functional Programming

LING311: Syntax

LING321: Phonology

SKILLS

PROGRAMMING LANGUAGES

Java • PHP • HTML/CSS • JavaScript •
SQL • Python • \LaTeX

FRAMEWORKS/TOOLS

Node.js • Flask • JQuery • MySQL •
Hive/Presto

ACTIVITIES

BITCAMP | EXECUTIVE DIRECTOR

Coordinated over 60 student organizers and several teams: logistics, technology, sponsorship, marketing, and others to run the University of Maryland's flagship hackathon.

UNIVERSITY OF MARYLAND | TEACHING ASSISTANT

Piloted new flipped classroom model for CMSC 131: Intro to Object Oriented Programming I, under Professor Bill Pugh.

EXPERIENCE

FACEBOOK | SOFTWARE ENGINEERING INTERN

Summer 2018 | Seattle, WA

- Built a custom sampling logging framework specialized for waterfall processes. Adopted/implemented by most logging frameworks in our org codebase.
- Built debugging tool to help devs force content through our illegal firearms/drug sales detection infra + display all relevant logging.
- Wrote Instagram integration to firearms/drug sales detection infra. Handles millions of items per hour, and actions on hundreds per day.

NEXTDOOR | SOFTWARE ENGINEERING CO-OP

Spring 2018 | San Francisco, CA

- Implemented sponsored posts pagination on mobile, leading to a projected 30% increase in ads inventory.
- Wrote a script to populate local dev environments with fully rendered promos
- Built internal tool to force multiple promos into any user's feed, designed for development purposes

NORDSTROM | SOFTWARE ENGINEERING INTERN

June 2017 – August 2017 | Seattle, WA

- Owned and built an internal tool to monitor core API health.
- Designed and built a new system top-down to more efficiently store and deliver non-inventory item codes from AWS.

SPARKPOST (MESSAGE SYSTEMS) | SOFTWARE ENGINEERING INTERN

May 2016 – August 2016 | Columbia, MD

- Created program which uploaded metrics (daily revenue, free/paid accounts, etc) to Keen.io dashboard for company-wide analytics.

SELECTED PROJECTS

SMART SALES | NORDSTROM INTERNAL HACKATHON

June 2017 | Seattle, WA

- Built an algorithm that used subscription data to generate sales.
- Would be able to target any demographic while minimizing revenue loss differential.

LANGUAGE DETECT

May 2017 | College Park, MD

- Used n-gram profiling to analyze samples of training corpuses to build language profiles for language text recognition apps.

SCENTRY | VTHACKS

March 2016 | Blacksburg, VA

- Created a web platform that allows a user to control a fleet of air fresheners on a smartphone or PC over the internet.

NOSTALGIFY | MHACKS REFACTORED

February 2016 | Ann Arbor, MI

- Built a webapp that, given a date, generated a playlist of songs that the user listened to around that time.