

Vincent Song

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EDUCATION

UNIVERSITY OF MARYLAND
B.S., COMPUTER SCIENCE
MINOR, LINGUISTICS
May 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 • HTML/CSS • JavaScript • SQL
OCaml • Python • \LaTeX

FRAMEWORKS/TOOLS

Node.js • ASP.NET • Flask • JQuery •
MySQL • AWS Aurora • AWS Lambda •
Express.js • MongoDB

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 | Menlo Park, CA

- Incoming intern for summer of 2018.

NEXTDOOR | SOFTWARE ENGINEERING CO-OP

Spring 2018 | San Francisco, CA

- Incoming intern for spring of 2018.

NORDSTROM | SOFTWARE ENGINEERING INTERN

June 2017 – August 2017 | Seattle, WA

- Owned and built an internal tool to monitor core API health.
- Created a Slackbot and implemented email notifications to alert for API health deterioration.
- Designed a new system top-down to more efficiently store and deliver non-inventory item codes from AWS.
- Wrote AWS Lambdas to update store non-inventory item codes daily.
- Migrated and transformed/modernized over 26k rows of data from legacy MS SQL on-premise database to a new schema on AWS Aurora and Elasticache Redis.

SPARKPOST (MESSAGE SYSTEMS) | SOFTWARE ENGINEERING INTERN

May 2016 – August 2016 | Columbia, MD

- Refactored the SparkPost PHP client library.
- 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.