

Vincent Song

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EDUCATION

UNIVERSITY OF MARYLAND

B.S., COMPUTER SCIENCE

M, LINGUISTICS

August 2015 - May 2019 | College Park, MD

LINKS

Github:// [vwsong](#)

LinkedIn:// [vwsong](#)

Website: [vwsong.com](#)

COURSEWORK

Linear Algebra

Algorithms

Systems Engineering

Functional Programming

Discrete Math

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

NORDSTROM | SOFTWARE ENGINEERING INTERN

June 2017 - August 2017 | Seattle, WA

- Owned and built an internal tool to monitor core API health.
- Migrated and transformed over 26k rows of data from legacy MS SQL on-premise database to a new schema on AWS Aurora.
- Used in-memory storage (Elasticache/Redis) to dramatically decrease Fee Codes API latencies for internal downstream consumers.

PRAXIS ENGINEERING | IoT RESEARCH INTERN

December 2016 - January 2017 | Annapolis Junction, MD

- Worked with a team of interns to analyze two common wifi webcams and document recorded vulnerabilities.

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.

AVESIS | SOFTWARE ENGINEERING INTERN

May 2015 - January 2016 | Owings Mills, MD

- Created exit surveys and compiled data in MS SQL databases for analysis.
- Developed 10+ web pages for Avesis.com using the ASP.NET framework + HTML/CSS/JS.

PROJECTS

SMART SALES | NORDSTROM INTERNAL HACKATHON

June 2017 | Seattle, WA

- Built an algorithm that used subscription data to generate sales that would be able to target any demographic while maintaining minimal revenue loss.

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.