

VINCENT SONG

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EDUCATION

University of Maryland, College Park

B.S. Computer Science 2019

Minor, Linguistics

EMPLOYMENT

Nordstrom

Software Engineering Intern

Seattle, WA

Jun 2017 to Current

- Data Services/Master Data Group
- Led a team of 2 other interns + 3 full time engineers to build a "subscribe to item" feature at Nordstrom/Nordstrom Rack online stores
- Designed an algorithm to use "subscription" data to generate optimal sales, with demographic targeting capabilities.
- Owned and built an internal tool to monitor core API health in preparation for Nordstrom's annual Anniversary Sale

SparkPost (Message Systems)

Software Engineering Intern

Columbia, MD

Jun 2016 to Aug 2016

- Helped refactor the SparkPost PHP client library as part of their client library refactoring initiative.
- Fixed bugs, created new features, and performed code reviews on the SparkPost cloud web user interface.
- Created program which uploaded metrics (daily revenue, free/paid accounts, etc) to Keen.io for company-wide analytics.
- Worked with continuous integration, agile methodologies (Kanban), Node.js, Angular.js, and PHP.

Avesis Inc

Software Engineering Intern

Owings Mills, MD

May 2015 to Aug 2015, Dec 2015 to Jan 2016

- Created exit surveys for employees leaving the company using ASP.NET/C#/MS SQL. Compiled and analyzed data.
- Developed web pages (landing page, FAQs, internal portal) using HTML/CSS/JS as a part of site-wide redesign effort.

PROJECTS

Scentry

Feb 2016

- Created a web platform that allows a user to control a fleet of air fresheners on a smartphone or PC over the internet.
- Designed and developed the mobile and PC UI/UX using HTML and CSS, and frontend JS to interface with our API.

Language Detect

May 2017

- Started an introductory project to familiarize with core NLP concepts
- Used n-gram profiling to analyze strings of text to build language profiles
- Ran strings of input text through the models to train the profiles

Smart Sales

Jun 2017

- Put together and led a team of 3 full time engineers and 2 interns at a company hackathon
- Created a "subscribe to item" feature on Nordstromrack.com items
- Used subscription data to generate sales that would be able to target any demographic while maintaining minimal revenue loss
- Wrote a short report which described all business applications, specific use cases, and potential improvements for the product
- Acted as product manager + software engineer for the project

SKILLS

PROGRAMMING LANGUAGES: Java, HTML, CSS, JavaScript, SQL, OCaml, Python

FRAMEWORKS/TOOLS: Node.js, ASP.NET, Bootstrap, JQuery, Agile Methodologies, LaTeX, Flask

OTHER: Photography, Web Development, Event Management, Android Development

ACTIVITIES

Bitcamp · Executive Director

- Coordinated over 50 student organizers and several teams: logistics, technology, sponsorship, marketing, and others to run the University of Maryland's flagship hackathon.
- Oversaw successful conversion of the organization from an LLC to 501c3 nonprofit.