Shatayu Kulkarni

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EDUCATION

PURDUE UNIVERSITY (Aug. 2018 - proj. May 2022)
Major: Computer Science (Honors)
GPA: 4.00 | Major GPA: 4.00

DOUGHERTY VALLEY HIGH SCHOOL (Nov. 2014 - Jun. 2018)
AP Computer Science
AP Calculus BC

HARVARD UNIVERSITY (Jan. 2017 - Dec. 2017)
CSCI E-20 Discrete Mathematics
CSCI E-22 Data Structures

UC BERKELEY (Jun. 2017 - Aug. 2017)
MATH 53 Multivariable Calculus
MATH 54 Linear Algebra and Differential Equations

SKILLS

Python (BeautifulSoup, scikit-learn, numpy), MATLAB, C++, JavaScript (Node.js, React), HTML, CSS, PostgreSQL, Firebase, Photoshop

EXPERIENCE

Developer, Fireflies.ai (Feb. 2018 - present)
Make Chrome extensions which use natural language processing (with machine learning) to provide useful services. TalkCRM is an example of an extension made under Fireflies.ai (see projects).

CTO, Fluma Co. (2016-2018)
Did Android and system-level development for a startup I founded making smart backpackts. Exhibited at Maker Faire, an annual tech event festitval.

Team Captain, 5776A (2017-2018)
Captained. built, and programmed (using sensors, control theory, and RobotC) for a VEX Robotics Competition team.

Developer, Impeccable Softwares (Jul. 2016 - Aug. 2016)
Used HTML and CSS to design websites according to clients' needs. I also used the Facebook Graph API to analyze client feedback.

AWARDS

- Best Designed Product, HarkerHacks 2018
- USA Computing Olympiad Silver Division, 2017
- Champion, Vanden Robotics Tournament 2017
- Finalist, Dougherty Valley Robotics Tournament 2017
- Top 8, VRC California State Championship 2017
  Qualified for VEX World Championship
- Finalist, Tracy Triangle VEX Robotics Tournament 2017
- Finalist, Google VEX Tournament 2017
- Semifinalist, Vanden Robotics Tournament 2016

PROJECTS

TalkCRM (JavaScript, HTML, CSS)
A Chrome extension that enables its users to interact with their CRMs using a simple, natural language command system. Up to 3 times faster than using a conventional CRM. Available for download on the Chrome Web store.

VEX Robotics Spacing Calculator (JavaScript)
A web app that uses dynamic programming to calculate the best VEX Robotics spacers to use to fill in a gap of arbitrary distance.

PokéPredict (Python, PostgreSQL)
A machine learning project using k-means clustering and an SVM to predict the winner of a Pokémon battle.

Atium (Node.js)
A research-assisting Chrome extension that automatically scans the webpage the user is on for topics, serves them links related to their topic, and lastly compiles summaries and citations of sites visited during the research session.

FoodByte (React)
An web app that generates recipes which satisfy a wide variety of conditions (limited ingredients, calories, dietary restrictions, etc.) from natural language input.