Dylan Huang

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EDUCATION

UNIVERSITY OF ILLINOIS AT URBANA–CHAMPAIGN

B.S. in Computer Engineering
Degree May 2019 | Champaign, IL
ECE James Scholar Honors
Technical GPA: 3.69

COURSEWORK

UNDERGRADUATE

Probability w/ Engr. App. (Enrolled)
Analog Signal Processing (Enrolled)
Digital Systems Laboratory (Enrolled)
Computer Systems Engineering
Data Structures
Discrete Structures
Computer Systems & Programming
Introduction to Computing
Introduction to Electronics

OTHER

Code Path iOS University
AP Computer Science

SKILLS

PROGRAMMING

Most used:
C++ • C • SystemVerilog • Ruby
JavaScript • PHP • Swift • CSS
Used before:
Java • Assembly • SQL
Technologies:
Rails • Angular • iOS • MySQL
PostgreSQL • Arduino • TTL

DESIGN

Premiere Pro • Photoshop
After Effects

EXTRACURRICULARS

Theta Tau - Engineering Fraternity
Pulse - Tech Innovation Conference

LINKS

Github:// dphuang2
LinkedIn:// dphuang2

EXPERIENCE

BERKMAN KLEIN CENTER AT HARVARD UNIVERSITY

Google Summer of Code Intern
May 2016 – August 2016 | Cambridge, Massachusetts
- Successfully accomplished the integration of disparate data sources into 1 dataset by researching data integration platforms and creating a code-based ETL process documented at dphuang2.github.io/streamsets_scripts
- Automated an otherwise manual, error prone, and time consuming data integration process used for thenetmonitor.org/about

RESEARCH

UIUC COMPUTER SCIENCE DEPARTMENT

Researcher
August 2015 – Present | Urbana–Champaign, IL
- Investigating user content preference and the possible placebo effect of a social media control panel for algorithm awareness
- Developed web-based application using JavaScript, AJAX, PHP, and MySQL to host a user-friendly control panel that filters a twitter handle's news feed by emotional sentiment, algorithmically generated social distance, and tweet metadata. Github repo at https://github.com/dphuang2/TweedStudy

PROJECTS

POGOBAG | pogobag.me | Pokemon GO Analytical Tool

August 9, 2016 | github.com/dphuang2/PoGoBag
- Personally developed and deployed high traffic website with Ruby on Rails and Angular
- Amassed 210,000+ unique users and 3,304,043 Pageviews in two weeks
- Peaked at 86,860 1 Day Active Users on August 11, 2016
- Attracted media from news sources around the globe: USA, China, Thailand, France
- Open-sourced Github repo with 168 Stars and 77 Forks

ROOM OCCUPANCY COUNTER | Web/Microcontroller solution

February 21, 2016 | devpost.com/software/roomcounter
- Designed front-end and back-end of website to receive HTTP requests from an Intel Edison board using PHP
- Provides web accessible automated occupancy count of any room using touch and flex sensors
- Winner of Intel's Most Innovative Use of Intel Microcontrollers at Hack Illinois 2016

AWARDS

Year	Place	Award
2016	Hack Illinois	Intel's Most Innovative Use of Intel Microcontrollers
2015	High School	Broadcasting Excellence Award
2014	National	4th: Student Television Network "Convention Recap"
2013	Santa Clara	3rd: TSCN DUI Prevention Video PSA Contest