Dylan Huang

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EDUCATION

UNIVERSITY OF ILLINOIS AT URBANA–CHAMPAIGN

B.S. / M.Eng. in Computer Engineering
Degree May 2019
GPA: 3.45

COURSEWORK

UNDERGRADUATE

Algorithms
Artificial Intelligence
Computer Systems Engineering
Computer Security
Communication Networks
Digital Systems Laboratory
Probability w/ Engr. App.
Parallel Programming: Sci & Engrg

OTHER

Code Path iOS University

SKILLS

PROGRAMMING

Most used:
Python • JavaScript • CSS • Ruby •
C++ • C • SystemVerilog
Used before:
PHP • Swift • Java Assembly • SQL •
MATLAB • Bash
Technologies:
Rails • Flask • React • Angular
MongoDB • MySQL • PostgreSQL
Arduino • TTL • Jenkins • Juju
TypeScript • iOS • Linux

DESIGN

Premiere Pro • Photoshop
After Effects

EXTRACURRICULARS

Theta Tau - Engineering Fraternity
Pulse - Tech Innovation Conference
Film Hobbyist - Won Film Awards
Hackathons - HackIllinois Intel Prize

LINKS

GitHub:// dphuang2
LinkedIn:// dphuang2

EXPERIENCE

APPDYNAMICS

Browser Real User Monitoring Intern
May 2018 – August 2018 | San Francisco, California

- Researched and implemented proof of concept to measure JavaScript execution time on real user devices across any browser
- Designed and built JavaScript agent and API to classify user behaviors and generate Selenium scripts based on user sessions

ARM

Server Performance Intern
May 2017 – August 2017 | Austin, Texas

- Developed infrastructure to benchmark server workloads across multiple architectures to discover and investigate performance issues
- Built continuous integration software with Jenkins to automatically trigger Python codestyling and provide in-line feedback on Gerrit Code Reviews
- Designed and implemented efficient algorithm to estimate benchmark runtimes based on previous executions

BERKMAN KLEIN CENTER AT HARVARD UNIVERSITY

Google Summer of Code | dylanhuang.com/streamsets_scripts
May 2016 – August 2016 | Cambridge, Massachusetts

- Successfully accomplished the integration of disparate data sources into 1 dataset by researching and designing an extensible data integration procedure
- Automated an otherwise error prone and time consuming data integration process for thenetmonitor.org

RESEARCH

UIUC COMPUTER SCIENCE DEPARTMENT

Researcher | github.com/dphuang2/TweedStudy
August 2015 – Present | Champaign, IL

- Investigated user content preference and the placebo effect of social media control panels
- Developed web-based control panel that filters Twitter feeds by emotional sentiment, algorithmically generated social distance, and tweet metadata (Accepted to CHI 2018)

PROJECTS

POGOBAG | Pokemon GO Analytical Tool

August 9, 2016 | github.com/dphuang2/PoGoBag

- Developed 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 157 Stars and 65 Forks