Alvin Chang

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https://alvinhchang.github.io/

EXPERIENCE

Wolfram Alpha LLC, Champaign— *Software Engineer*

JULY 2018 - NOVEMBER 2018

- Maintained the frontend and backend for the Wolfram Alpha product
- Updated and converted existing frameworks to new technology
- Fixed bugs and errors found in the Wolfram Alpha product

National Center for Supercomputing Applications, UIUC — *Software Engineer Intern*

MAY 2017 - MAY 2018

- Designed and programmed the modular architecture used in the entire project
- Streamlined user input into DSSAT Crop Model and built parser for easy to interpret the output
- Wrote the automated system that updates and parses weather information gathered from public government website
- Maintained the system to additional specification introduced by the client along the way

VRMD, www.vrmd.us — Ocular *Team Lead*

SEPTEMBER 2016 - DECEMBER 2016

- Led the ocular team by setting the pace and communicating requirements
- Communicated with the doctor sponsoring the project and other teams involved in the project
- Wrote majority of the working simulation that utilized the beginning phase of Virtual Reality technology to simulate the risks of improper form during surgery

EDUCATION

University of Illinois at Urbana Champaign — *B.S. in Computer Science*

August 2014 - May 20X18

Technical GPA 3.58/4.0

SKILLS

Data Structure.

Systems Programming.

Web Development (JavaScript/React/Django).

Computer Security.

Software Engineering (Architecture/Agile Development).

Git, CI/CD, Automated and Integration Testing

AWARDS

Research Park Best Design Award (2017) more information on the website

LANGUAGES

Proficient in C++, Python, Java, JavaScript

1-2 Year Experience in SQL, C#, C, Python Packages

<1 Year Experience in Clojure, PHP, Assembly (x86), R, OCaml