

RICHARD KIM

SOFTWARE DEVELOPER + THINKER

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EDUCATION

University of California, Davis
B.S. Computer Science | Class of 2019
Minor in Linguistics
CS GPA 3.9/4.0

LANGUAGES

Proficient

Python
C++
C

Familiar

HTML/CSS
Javascript
R

COURSEWORK

Object-Oriented Programming
Data Structures and Programming
Algorithm Design and Analysis
Probability and Statistical Modeling
Programming Languages
Operating Systems
Modern Programming Tools
Web Programming
Human-Computer Interaction
Natural Language Processing
Text Processing Corpus Linguistics
Computational Linguistics
Computational Modeling of Language
Statistical Analysis

ACHIEVEMENTS

Grow with Google Developer Scholarship
CITI Certified Researcher

WORK

Sound and Performative Speech – Researcher

JAN 2018 - MAY 2019 | DAVIS, CA

Involved in two grant projects, Tools for Listening to Text-in-Performance and SpokenWeb, exploring tools to analyze poetry archives, providing data analysis and visualization, and calculating new methods to analyze pitch and timing in speech.

Language, Multimodal and Interaction – Researcher

MAR 2018 - DEC 2018 | DAVIS, CA

Assisted with a research project to build a persuasive dialogue system using machine learning under Professor Zhou Yu. Designed methods to collect over 1000 conversational data using a dialog AI framework.

Computational Linguistics – Researcher

JUN 2017 - JUN 2018 | DAVIS, CA

Worked on a research project funded by the U.S. Department of Defense to expand resources for speech-enabled systems under Professor Kenji Sagae. Developed neural models and lattice rescoring methods for paraphrasing and simplifying text using word embedding, cosine-similarity, and language models.

Data Science Initiative – Student Developer

OCT 2017 - JUN 2018 | DAVIS, CA

Developed a responsive HTML5 and CSS architecture for existing web archive as well as performing various web scraping, text mining, and other scripting tasks. Implemented natural language processing processes for classifying and topic modeling, performing statistical data analysis, and visualizing model outputs.

UC Davis IET – Student Developer

MAR 2017 - OCT 2017 | DAVIS, CA

Managed ServiceNow instances to help over 575 process users across 20 independent IT organizations. Maintained front-end portal by QA testing, communicating with back-end SQL database, and writing technical documentation.