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
(G) Computational Modeling of Language
(G) Statistical Analysis

OTHER

Grow with Google Developer Scholarship
CITI Certified Researcher

WORK

Sound and Performative Speech – Researcher
JAN 2018 - PRESENT | 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 Lingustics – 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.