David **Kavaler**

SOFTWARE ENGINEER · DATA ANALYST

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Overview

I am experienced in deep learning, data analysis, data mining, data gathering, statistical modeling, machine learning, metric design, and natural language processing. I have extensive experience in gathering data using R and Python to build both predictive and explanatory statistical models, and I am an adept programmer in multiple languages.

Education

University of California, Davis   *Davis, California*
PH.D. COMPUTER SCIENCE, 4.0 GPA   *2013 - Present (Expected 2018)*

University of California, Davis   *Davis, California*
B.S. COMPUTER SCIENCE AND ENGINEERING   *2009 - 2013*

Publications

Elements of Socio-Technical Trust in GitHub: The Effects of Visibility, Expertise, Productivity, and Responsiveness   *Submitted MSR 2018*
DAVID KAVALER, PREM DEVANBU, VLADIMIR FILKOV

A Study of Android App Success by Cross-Linking GitHub and Google Play Store   *Submitted MSR 2018*
JOHN BUSINGE, DAVID KAVALER, ENGINEER BAINOMUGISHA, VLADMIR FILKOV, MOSES OPENJA

Exploiting Time and Subject Locality for Fast, Efficient, and Understandable Alert Triage   *Accepted ICNC 2018*
DAVID KAVALER, COREY HUDSON, MICHAEL BIERMA

Perceived Language Complexity in GitHub Issue Discussions and Their Effect on Issue Resolution   *Accepted ASE 2017*
DAVID KAVALER, SASHA SIROVICA, VINCENT HELLENDOORN, RAUL ARANOVICH, VLADIMIR FILKOV

Quality, Latency, and Amount of Stack Overflow Answers to Questions About Recent Android APIs   *Submitted PLOS ONE*
DAVID KAVALER, VLADIMIR FILKOV   *Under minor revisions*

Stochastic Actor-Oriented Modeling for Studying Homophily and Social Influence in OSS Projects   *Accepted to journal EMSE 2016*
DAVID KAVALER, VLADIMIR FILKOV
• Invited to present at the International Symposium on the Foundations of Software Engineering (FSE) 2016.

Using and Asking: APIs Used in the Android Market and Asked About in StackOverflow   *Accepted SocInfo 2013*
DAVID KAVALER, DARYL POSNETT, CLINT GIBLER, HAO CHEN, PREM DEVANBU, VLADIMIR FILKOV
• Best paper nominee.

Awards & Honors

2018   **Invited Reviewer**, PLOS ONE
2016   **Invited Presentation**, International Symposium on the Foundations of Software Engineering (FSE)
2015   **Fellowship**, UC Davis Graduate Group in Computer Science
2013   **Fellowship**, UC Davis Graduate Group in Computer Science
2013   **Best Paper Nomination**, International Conference on Social Informatics

Work Experience

University of California, Davis   *Davis, California*
RESEARCH AND TEACHING ASSISTANT   *Sep. 2013 - Present*
• Research assistant in the DECAL lab at UC Davis.
• Teaching assistant for multiple courses, including software engineering and introduction to object-oriented programming (C++).

Sandia National Laboratories   *Livermore, California*
CYBERSECURITY SUMMER RESEARCH INTERN   *Jun. 2016 - Sep. 2016*
• Worked towards various solutions for cybersecurity related problems. Resulting paper accepted to ICNC 2018.

Skills

Programming Languages   R, Python, C/C++, C#, Java, LaTeX, Javascript
Tools & Frameworks   TensorFlow, keras, scikit-learn, PostgreSQL, Node.js, Android, Unity