Post-Doctoral Researcher Positions at the University of California, Irvine / $65,000-$85,000 / up to 6 years

Submitted by franz on Tue, 10/10/2017 - 2:20pm

The University of California, Irvine (UCI) ranks among the top public research universities in the world. Meanwhile, the California city of Irvine consistently ranks among the "best places to live" in North America and the surrounding Orange County beach cities are among the top tourist destinations in the United States. Founded only 50 years ago, UC Irvine has already produced three Nobel laureates and is known for combining academic achievement with an unsurpassed quality of life. The university is located about 5 miles from the Pacific Ocean, 45 miles South of Los Angeles and 80 miles North of San Diego.

The research group of Chancellor's Professor Michael Franz is welcoming applications for one or more Post-Doctoral Researcher(s) to join our team in the second half of 2017. We work on a wide range of "Systems" research topics at the intersection of compilers, virtual machines, and security.

Our research group is well known for inventing trace tree compilation, the technology that is behind the TraceMonkey just-in-time compiler for JavaScript in Firefox. Its co-inventors are Prof. Franz and former UCI Ph.D. student and alumnus of our lab Andreas Gal, who until recently was the CTO of Mozilla. We also transitioned the "compartmental garbage collector" invented in our lab into Firefox, which not only makes JavaScript in Firefox safer, but surprisingly also faster. Another open-source project that we have contributed to is the LLVM compiler infrastructure.

Over the past few years, our research has moved further into security--that is where some of the most interesting "Systems" problems are these days. Our research has been appearing in some of the most competitive publication venues with acceptance rates well below 20%, including two papers at NDSS 2015, one at IEEE Security and Privacy 2015, two at ACM CCS 2015, one at NDSS 2016, two at USENIX ATC 2016, one at NDSS 2017, one at EuroSys 2017, and at USENIX Security 2017.

Appointments will be initially for a one year period and will be renewable up to six years. These positions require a Ph.D. degree in Computer Science and demonstrated expertise, at the highest level, in the area of computer security, compilers, operating systems, or combinations of these. The ideal candidate would already have publications in top conferences such as IEEE S&P, ACM CCS, NDSS, USENIX Security, PLDI, CGO, EuroSys, USENIX ATC, OSDI, or

ASPLOS, and/or top journals such as ACM TOPLAS, ACM TACO, ACM TISSEC or IEEE TDSC.

Current graduate students who fulfill all other requirements but who have not quite yet completed their Ph.Ds. are welcome to apply; however, any offer will be made contingent on successful completion of their degree.

Salary is typically in a range between $65,000-$85,000 annually, depending on experience and qualification. On-campus subsidized housing is also available. We have generous equipment and travel budgets, allowing group members to travel to major conferences no matter where these are located in the world. Somewhat unusually, we also have spacious one or two person offices with windows and views instead of the windowless cubicles that are the norm in academia in the United States.

This announcement is for informational purposes only. To apply, please go to https://recruit.ap.uci.edu/apply/JPF04111. UCI is an Equal Opportunity, Affirmative Action Employer advancing inclusive excellence. All qualified applicants will receive consideration without regard to race, color, national origin, religion, sex, gender, gender expression, gender identity, pregnancy, physical or mental disability, medical condition, genetic information, ancestry, marital status, age, sexual orientation, citizenship, or service in the uniformed services.

For more information, please contact Prof. Michael Franz at "franz@uci.edu".

[? NC State University: Privacy/Security Faculty Position](#) [Faculty positions David R. Cheriton School of Computer Science, University of Waterloo ?](#)