Paul Hyungmin Kim
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www.github.com/paulmkim

Education and Certifications

University of California - Los Angeles (UCLA)   **Expected: 2017**
   B.S. Computer Science   Major GPA: 3.55

CompTIA Security+ Certification   **Expires January 2020**
- Globally recognized security focused certification offered by CompTIA
- Covers major security topics, including network security, operation security, threats and vulnerabilities, data and host security, identity management, and cryptography

Work Experiences

Laboratory for Advanced Systems Research (LASR)   **August 2015-January 2017**
- Research lab at UCLA under Professor Mario Gerla and Peter Reiher
- Investigates the security and network problems associated with automated vehicles

Projects   *Comprehensive list available on www.paulhmkim.com/projects

Deter Security Suite
- Simulated security scenarios by University of Southern California and University of Utah
- Explored attack methods, firewalls, forensics, network analysis, and anomaly detection

Mini-Java Compiler   *Source Code Omitted for Academic Integrity*
- Fully functional compiler from a subset of Java to assembly language MIPS
- Built a type checker to ensure correctness of input, as well as a parser for Java

Prereq   https://github.com/mkachuee/PlainYogurt
- Web application designed to help users learn by guiding them through a set of sub-topics
- Built with Django with MySQL as database and HTML/CSS/Javascript for frontend

Publications

INTERLOC: An Interference-Aware RSSI-Based Localization and Sybil Attack Detection Mechanism for Vehicular Ad Hoc Networks - Garip, M.; Kim, P.; Reiher, P.; Gerla, M.
- Accepted to IEEE Consumer Communications and Networking Conference - 2016
- Created and tested localization techniques using RSSI values using network simulations

Relevant Coursework

Introduction to Computer Security	Computer Network Fundamentals
Operating Systems Principles	Compiler Construction
Software Engineering	Programming Languages
Algorithms and Complexity	Scalable Internet Services

Skills, Tools, and Interests

Programming Languages: C, C++, Python, Java, Ruby, PHP, MIPS, Prolog, OCaml, LISP
Security Skills: Wireshark, Burp, Firewall Configuration, POSIX Permissions, Log Analysis
Front End Development: HTML, CSS, Javascript, jQuery, D3, Bootstrap
Developer Tools: Github, AWS, Agile, Ruby on Rails, Django, Visual Studio, Tsung Test
Hobbies and Interests: Competitive Archery, Cooking, Poker, Guitar
Second Language: Korean