

## Justin S. Collins

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Los Angeles, CA 90034  
(310) 895-1196

- EDUCATION**     *PhD*, Computer Science, emphasis in Mobile Systems  
UCLA, Los Angeles, CA, Expected 2012.
- Master of Science*, Computer Science  
UCLA, Los Angeles, CA, 2009.
- Bachelor of Science*, Computer Science  
Seattle University, Seattle, WA, 2006.
- SKILLS**     *Languages*: Ruby, Java, Neko, PHP, C/C++  
*Operating Systems*: Linux, Microsoft Windows  
*Applications*: Apache, Qualnet, Git, Subversion  
*Frameworks/Libraries*: [Apache MINA](#), [Sinatra](#), [TreeTop](#), [EventMachine](#)
- EXPERIENCE**     *Graduate Student Researcher* *July 2007 - Present*  
UCLA, [Mobile Systems Lab](#), Los Angeles, CA
- Researching application development for mobile ad-hoc networks
  - Quantitive study of mobile networks and routing protocols using Qualnet
  - Management of lab network and resources
- Consultant* *November 2008 - November 2009*  
Irell & Manella LLP, Los Angeles, CA
- Analyzed published papers and theses related to processor design
  - Compared prior art to patent claims for a lawsuit
- Technician* *May 2007 - July 2007*  
PC Club, Los Angeles, CA
- Software and hardware troubleshooting and repair
  - Parts sales and customer service
- System Administrator* *May 2005 - March 2007*  
Klir Technologies, Seattle, WA
- Responsible for all desktops, laptops, office servers, backup, and VoIP systems
  - Managed user, email, and phone accounts, as well as office software
  - Designed and implemented the company website
  - Developed reporting tools for the financial department using PHP and MySQL
- Helpdesk Specialist* *November 2002 - June 2005*  
Seattle University School of Law, Seattle, WA
- Troubleshooting of software and hardware issues for staff, faculty and students
  - Performed parts replacements on desktops and laptops
  - Developed new internal ticketing system using Ruby and MySQL
  - Received special recognition from the dean for customer service

**PUBLICATIONS** “[Programming in Mobile Ad Hoc Networks.](#)” Justin Collins and Rajive Bagrodia.  
*Proc. of the Fourth International Wireless Internet Conference (WICON 2008)*

“[Greedy transformation of evolutionary algorithm search spaces for scheduling problems.](#)” David Joslin and Justin Collins.  
*IEEE Congress on Evolutionary Computation (CEC 2007)*

“[Improving genetic algorithm performance with intelligent mappings from chromosomes to solutions.](#)” Justin Collins and David Joslin.  
*Proc. of the 8th Annual Conference on Genetic and Evolutionary Computation (GECCO 2006)*

**EXTRA-CURRICULAR ACTIVITIES** Open Source projects: [github.com/presidentbeef](https://github.com/presidentbeef)  
Member of the [Computer Science Graduate Student Committee](#), UCLA  
*President*, SUACM, 2005-2006