

# Samuel J. Kaufman

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## EDUCATION

### **Ph.D., Computer Science & Engineering** *in progress*

Advisor: Rastislav Bodik

University of Washington, Seattle

### **B.S. in Informatics** *emphasis in Human-Computer Interaction*

September 2006 — June 2010

Honors Thesis: “Automatic programming with reuse-informed search”

Major G.P.A.: 3.83/4.00 • G.P.A.: 3.76/4.00

University of California, Irvine

## HONORS & AWARDS

- Wissner-Slivka Endowed Fellowship, 2010.
- ARCS Fellowship. 2010.
- UW Computer Science & Engineering First-Year Fellowship. 2010–2011.
- Phi Beta Kappa, member since April 2009.
- Chancellor’s Award for Excellence in Undergraduate Research, 2008.
- Dan & Jean Aldrich Scholarship, Finalist, 2009.
- Women in Information and Computer Sciences’ Gateway to Your Future Award, 2007.

## PUBLICATIONS

G. Fedyukovich, S. J. Kaufman and R. Bodik. “Sampling invariants from frequency distributions.” FMCAD 2017. Vienna, Austria. October 2017.

S. J. Kaufman and M. S. Silberman. “Rebound effects in sustainable HCI.” CHI: 2011; Everyday Practice and Sustainable HCI Workshop. Vancouver, BC. May 2011.

S. J. Kaufman and J. Chen. “Where we twitter.” CHI 2010; Microblogging Workshop. Atlanta, Georgia. April 2010.

G. Marcu, S. J. Kaufman, J. K. Lee, R. W. Black, P. Dourish, G. R. Hayes and D. J. Richardson. “Design and evaluation of a computer science and engineering course for middle school girls.” SIGCSE 2010. Milwaukee, WI. March 2010.

D. J. Patterson, X. Ding, S. J. Kaufman, K. Liu and A. Zaldivar. “An ecosystem for learning and using sensor-driven status messages.” *IEEE Pervasive Computing*, vol. 8, no. 4, pp. 42–49. October–December, 2009.

D. J. Patterson, C. Baker, X. Ding, S. J. Kaufman, K. Liu and A. Zaldivar. “Online everywhere: evolving mobile instant messaging practices.” UbiComp 2008. Seoul, South Korea. September 2008.

G. R. Hayes, D. J. Patterson, M. Monibi and S. J. Kaufman. “Interactive and intelligent visual communication systems.” Workshop short paper. In the *proceedings of the 7th international conference on interaction design and children*. Chicago, IL. June 2008.

## PRESENTATIONS

S. J. Kaufman. “Nomatic\*IM.” Talk. U.C. Irvine Undergraduate Research Symposium. Irvine, CA. May 2008.

- S. J. Kaufman, D. J. Patterson and G. R. Hayes. "Design of interactive visual scheduling systems." Abstract/poster. International Meeting for Autism Research. London, UK. May 2008.
- S. J. Kaufman. "Nomatic\*IM for presence." Talk. U.C. Irvine Undergraduate Research Symposium. Irvine, CA. August 2007.
- N. Noack, S. J. Kaufman and D. J. Patterson. "Nomatic\*IM: context-aware instant messaging." Poster. Pervasive 2007, the 5<sup>th</sup> International Conference on Pervasive Computing. Toronto, ON, CA. May 2007.

## **EXPERIENCE**

### **Co-Founder, Gradient — 2013–2017**

Work with clients to design and build digital products, especially for mobile devices and data-heavy domains. Hire engineers, designers, and sales staff, both internally and for client teams. Develop sales, product, and content strategies.

### **Coursera, Instructor — 2016**

Develop materials and lectures for the flagship Coursera iOS Objective-C programming course.

### **Co-Founder, Assetmap — 2011–2012**

Develop product strategy and technical infrastructure for product prototyping, hire initial team, and execute user research. Build and deploy online recommender system for skills-based partnering among groups of non-profit organizations.

### **Developer, Quub — 2009–2010**

Develop mobile application, production machine learning system ingesting device sensor data, and Session Initiation Protocol (SIP) infrastructure. Quub was a technology startup based in Irvine, CA.

### **Undergraduate Researcher — January 2007–March 2009**

*Prof. Donald J. Patterson, Department of Informatics, U.C. Irvine*

Develop Nomatic\*IM, including various machine learning algorithms. Nomatic\*IM is a system for learning social context descriptions from mobile device sensors to support instant messenger presence negotiation, and for linking geographic positions to aggregate place descriptions.

### **Undergraduate Researcher — December 2007–April 2008**

*Prof. Gillian R. Hayes, Department of Informatics, U.C. Irvine*

Develop intelligent visual schedule system for special education classrooms.