KEVIN MCVEY

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http://kevin.4mcveys.com

I'm a Software Engineer and Multimedia Artist looking for opportunities to contribute
to innovative web and embedded technologies that make us more creative, thoughtful, and productive people.

My projects have been recognized by IEEE, TEDx, The American Medical Informatics Association, Hearst,
NPR, and the National Science Foundation. I enjoy strong coffee, Moleskine notebooks, and overthinking comedy.

EDUCATION

UNIVERSITY OF VIRGINIA, SCHOOL OF ENGINEERING AND APPLIED SCIENCE — Charlottesville, VA — May, 2014
B.S. with Distinction: Computer Engineering & Minor: Architecture
- Dean's List • Cumulative GPA 3.562 • Major GPA 3.570
- Twin theses in Computer Engineering and Science, Technology, and Society
- Taught own credited courses in Data Visualization, Machine Vision, & Improv Comedy

WORK EXPERIENCE

GLOWFORGE, SOFTWARE ENGINEER, (current) — Seattle, WA

AMAZON.COM, SOFTWARE DEVELOPMENT ENGINEER — July 2014–Sept 2015
Appstore Developer Experience • http://developer.amazon.com/
- Architect and technical lead on Appstore's multi-tenant dev-finance reporting stack
- Sole developer of app submission API that increased Appstore selection by 20,000 apps
- Cut team oncall load by 50% (one engineer) through critical 'tech debt' mitigation
- Technical advisor of senior legal counsel in multi-million-dollar developer onboarding

SOFTWARE DEVELOPMENT ENGINEER INTERN — Summer 2013
Amazon Web Services Infrastructure
- Constructed scalable tools in Ruby on Rails to manage >100,000 global AWS assets
- Winner of annual Social Networking Hackathon and Intern Coding Competition

UNIVERSITY OF VIRGINIA, EMBEDDED SYSTEMS TEACHING ASSISTANT — Charlottesville, VA — Jan 2012–May 2014
- First undergraduate to receive ECE departmental teaching award

BAE SYSTEMS, VIRGINIA MICROELECTRONICS CONSORTIUM RESEARCH INTERN — Manassas, VA — Summer 2012
- Developed foundry analytics software to manage complex foundry data over ten years
- Assisted development of radiation-hardened microprocessor now found on 'Curiosity'

LANGUAGES

Java, JavaScript, Ruby, C, Bash *recently* • C++, C#, Rust, VHDL, ASM *not as recently*

TECHNOLOGIES

Git, AWS, CSS, NodeJS, ExpressJS, Rails, Oracle, MySQL, Spring, Solr, MultiSim

HONORS

Jefferson Cup for Outstanding Service	UVA SEAS Dean '14
Louis T. Rader Chairperson's Award	UVA ECE '14
Louis T. Rader Education Award	UVA CS '14
TEDxUVa Speaker Competition Winner	TEDx '14
National Best Design & Research Paper	AMIA '13
Top Startup Pitch	Hearst '13
Most Innovative Hackathon Project	Amazon.com '13
Intern Programming Contest Winner	Amazon.com '13
Outstanding Teaching Assistant	UVA ECE '13

PUBLICATIONS

Personalization in SCOT: How Users Alter Product Lifetimes	'14
LyteBox: Practical FPGAs in Consumer Electronics	'14
CS1501: Graphics and Data Visualization	'13
The Electronic In-Patient Progress Note: Less Is More	'13
Effectively Handling N-Parameter Foundry Test Data	'12

INVITED TALKS

How I Accidentally Ruled A World Power	TEDx '14
TEDx Short Courses: Improv Comedy	TEDx '14
Redesigning Electronic Medical Records	AMIA '13
Methods of Simulating Thermographic Imaging	UVA CS '13
Engineers as Artists	Documentary '13
Flat Files and Foundry Data	VMEC '12
Algorithms and Found Sounds as Art	NPR & UVA ARCH '11

INSTALLATIONS

50 Lines & Variations	'15
LyteBox	'14
If You Were Here	'14
re: | BOUND	'13
Painting the American Flag & Works On Paper	'13
Snowballs on Steps (For David Hammons)	'13
Making to Learn	'12