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DanGrissom.com

# Daniel  T.  Grissom – Computer Engineer/Scientist

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|---|---|
| **PROFILE** | Self-sufficient, team-oriented engineer with a broad set of academic/professional experiences, a passion for software design, presentation and interpersonal communication; loves to and can quickly teach self new skills and languages |

**EDUCATION**

9/09-6/14 — **University of California, Riverside –Ph.D. (June 2014) Computer Science**
Dissertation: "Design of Topologies for Interpreting Assays on Digital Microfluidic Biochips"; NSF Graduate Research Fellow, UCR Dissertation Year Fellow, 16 Published Papers, 1 Provisional Patent

9/03-6/08 — **University of Cincinnati – B.S. Computer Engineering, June 2008**
GPA: 3.861, Magna Cum Laude, Graduated with Honors

8/99-6/03 — **Xenia High School – June 2003**
Honors Diploma, Co-valedictorian of 350
Summer Engineering Intern – Wright Laboratory, Wright-Patterson Air Force Base

**COMPUTER SKILLS**
Proficient with object-oriented design (e.g. C++, C#, Java), WPF, C, VHDL, embedded systems (microcontrollers), web-development and design (e.g. HTML, CSS, ASP.NET), Visual Studio, Eclipse, Microsoft Office, Google Docs, etc.

**PROFESSIONAL**

8/14 – Current — **Azusa Pacific University (APU), Dept. Comp. Sci., Asst. Professor – Azusa, CA**
- Developed and taught courses for undergraduate education

6/13-9/13 — **Environmental Systems Research Institute (ESRI),  Intern - Cincinnati, OH**
- Contributed new features/functionality for next-gen GIS software (C++, C#)

11/09-6/10 — **Tellus Web, .NET Developer - Cincinnati, OH**
- Developed back-end functionality for e-commerce websites (SQL, C#)
- Maintained direct relationship with customers

3/07-9/07 — **Advanced Micro Devices (AMD) Performance Labs, Co-op - Austin, TX**
- Gathered and analyzed I/O performance data from latest platforms/processors to verify specifications and identify bottlenecks, making products more marketable

1/05-3/05
6/05-9/05
1/06-3/06
6/06-9/06 — **Northrop Grumman Corporation (Xetron), Co-op - Cincinnati, OH**
- Obtained Department of Defense (DoD) Top Secret clearance
- Performed modifications and updates on large, existing, internal programs
- Created two C++/MFC GUIs for customer products

**ACADEMIC**

6/12-9/12 — **University of Tennessee, Materials Science and Eng. Dept. - Knoxville, TN**
- Designed and implemented successful hardware/software prototype to control digital microfluidic biochips fabricated by UT researchers at Oak Ridge National Lab
- Collaborated with international researchers to converge upon long-term, acceptable hardware solutions for digital microfluidic controllers

6/10-9/10
6/11-9/11 — **University of California, Riverside, Computer Science Dept. - Riverside, CA**
- Created two digital microfluidic simulators for static and dynamic synthesis methods (C++) and a high-quality graphics suite (JAVA) to visualize results
- Prepared and gave a number of local, national and international presentations
- Concurrently managed/directed a number of undergraduate/graduate students working on digital microfluidic projects

**ACTIVITIES**
Computer Science Graduate Student Association (CompGSA) President, ACM Member, Freelance Web Design/Development, Service trips (3) to Namibia , Africa

**WEBSITE**
**For more detailed resume and CV, see: www.DanGrissom.com**