

# Jared Andrew Crawford

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- Education** **West Virginia University** May 2011  
B.S. in Computer Engineering and B.S. in Electrical Engineering  
Minor: Computer Science Emphasis: Nanotechnology  
GPA: 3.80
- Honors**  
Truman Scholar  
National Merit Scholar  
National Science Foundation Scholarship for Undergraduate Research
- Experience** **WVU Office of Technology Transfer**, West Virginia University Spring 2011  
*Intellectual Property Intern*
- Drafted provisional and design patent applications under direction of a patent attorney
  - Processed and responded to trademark office actions
  - Researched prior art for a pharmaceutical patent
  - Organized an iPhone app development competition for WVU students
- Bechtel Plant Machinery, Inc.**, Monroeville, PA Summer 2011  
*Electrical Engineering Intern*
- Supported electrical instrumentation for control of naval nuclear reactors
  - Performed component failure trend analysis on NIMITZ class aircraft carrier nuclear instrumentation
  - Drafted technical briefs summarizing issue commitments and resolutions
  - Performed verification and validation of digital signal processing APIs
- WV Nano**, West Virginia University Summer 2009 - Present  
*Undergraduate Research Assistant*
- Fabricated photonic crystals and waveguides in a cleanroom
  - Developed microfabrication technique using photolithography, e-beam lithography and scanning electron microscopy
  - Awarded a \$10,000 scholarship for continued research
- University Relations**, West Virginia University 2009 - 2011  
*iPhone Developer*
- Independently created a free and open source iPhone app for WVU students
  - Partnered with WVU and earned distinction of "The official iPhone app of WVU"
  - Over 15,000 downloads on the App Store
  - Application source code used by Marquette, St. Louis Univ., and other universities
- L-3 Communications**, NASA IV&V Facility Summer 2007, 2008  
*Web Development Intern*
- Developed web applications in ASP and ASP.net/C#
  - Worked on several projects as a NASA subcontractor
  - Maintained software to track mission critical bugs in a SQL database
- Engineers Without Borders**, WVU Student Chapter 2007 - Present  
*President and Project Lead (Volunteer)*
- Coordinated and traveled on two trips to Nicaragua for humanitarian efforts
  - Designed sustainable water filtration units for removal of contaminants from water supplies in two underdeveloped communities in Nicaragua