

Nathaniel J. Chapman

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EDUCATION

Carnegie Mellon University

Masters in Robotic Systems Development

GPA: 3.82/4.33

Expected Graduation: December 2014

Pittsburgh, PA

Aug 2013 – Present

Student Projects

- Lead the power subsystem team developing Google Lunar X Prize rover
- Developed a prototype dextrous robot for spacecraft external maintenance
- Planned business model for a “smart fridge” kitchen management system

University of Washington

Bachelor of Science in Computer Science

Non-Matriculated Graduate Coursework

GPA: 3.38/4.0 Major: 3.52/4.0

Seattle, WA

Sept 2003 – June 2007

Sept 2012 – June 2013

Student Projects

- Lead a team developing 3 DoF robot arm using soft pneumatic actuators
- Developed a compiler for coarse-grained reconfigurable processor architectures

TECHNICAL COMPETENCIES

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|---|---------|
| • Embedded system development with C, C++, Embedded Linux and Atmel platforms | 4 years |
| • Rapid prototyping, including laser cutters, CAD and 3D printing | 2 years |
| • Analog, digital and interface circuitry design and prototyping skills | 4 years |
| • Metal and wood fabrication skills including welding, forging, and machining | 8 years |
| • Mechanical restoration and repair of vintage motorcycles | 4 years |
| • Application development using Java, C variants, Python, Ruby, others | 6 years |
| • Web design using Ruby on Rails, PHP, SQL, CSS, HTML | 3 years |
| • IT Administration, network hardware setup and configuration | 3 years |

WORK EXPERIENCE

Blue Origin, LLC

Technical Intern

Kent, WA

June 2014 – Present

Pacific Science Center

Camp-In Lead / Summer Camp Lead Teacher

Seattle, WA

Jan 2006 – June 2013

True North Service, Inc.

Android Application QA Tester

Seattle, WA

Dec 2011 – June 2012

Self Employed

Web Developer

Seattle, WA

Apr 2011 – Dec 2011

Lauren Osmolski, Artist Blacksmith

Blacksmith's Assistant

Seattle, WA

Oct 2010 – Feb 2011

~ Samples of additional work available at NathanielChapman.com/portfolio ~