

# James L. Pool

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## Professional Summary

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Motivated Software Developer seeks employment as part of a dynamic software development team. Fluent in C, C++, HTML, and JavaScript with extensive experience in Python and Java. Other notable skills include:

- Good communication and listening skills
  - Strong analytical and problem solving abilities
  - Excellent leader and team player
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## Education

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Corvallis, OR                      Oregon State University                      June 2015 – August 2016

Bachelor of Science in Computer Science, August 2016; GPA: 3.9

Mobile & Cloud Software Development | Computer Networks | Web Development | Database Design  
Software Engineering | Operating Systems | Analysis of Algorithms | Usability Engineering

San Luis Obispo, CA                      California Polytechnic State University                      July 2003 – June 2008

Bachelor of Science in Mechanical Engineering / Mechatronics Concentration, June 2008; GPA 3.2

Control Systems | Heat Transfer | Mechatronics | Robotics | Mechanical Vibrations | Thermodynamics

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## Employment

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Acrylic Cutter & Fabricator                      TAP Plastics                      June 2015 – June 2016

- Cut Acrylic, Polycarbonate, HDPE, and ABS plastic sheets
- Custom fabrication of simple to moderate complexity pieces
- Interact with customers and assist with sales
- Equipment: Table saw, drill press, heat bender, router, sanders

Mechanical Engineer                      Northrop Grumman                      March 2013 – June 2015

*Marine Systems – Propulsion & Power Generation*

- Develop, improve, and maintain Magnetic Bearing Analysis Software
- Lead engineer for Turbine-Generator dynamic behavior modeling
- Assisted in demonstration of Advanced Control Features on existing platforms
- Assisted with trouble-shooting Magnetic Bearing Engineering Model test platform

Robotics Instructor                      Athenian School Summer Camp                      Summer 2012

- LEGO Robotics Instructor for Grades 4-6, responsible for curriculum design and all teaching

Mechanical Engineer                      Naval Surface Warfare Center                      Sept. 2008 – Dec. 2011

*Combat Systems Support Equipment Engineering Branch*

- Performed on-site Material Condition Assessments on topside Fire Control Systems
- On-site representative and Quality Assurance for phased-array radar coating application
- Fabricated antenna and radome composite moisture standards
- Developed Testing Procedures for Non-Destructive Polymer Cleaning Pads
- Updated branch training materials and official response messages

Mechanical Engineer, Intern

Panasonic Avionics Corporation

Summers 2005 & 2006

- In-Flight Video Entertainment System Hardware Design Group
- Prototyping & Assembly of Engineering Design Models
- Test Support & Documentation: Thermal Chamber & Vibration Shake-Table
- Technical Drawing Updates: Aluminum Sheet Metal and Electronic Cable Design

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*Technology Summary*

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C, C++, HTML, Java, JavaScript, Python, SQL & VBA

Node.js, Visual Studio, Eclipse, Cloud9, Google App Engine, Android Studio

Pro/Engineer, SolidWorks, MATLAB & Simulink