

Tinya Cheng

<http://www.tinyacheng.com>

NOTE: For a copy of the **full** resume with contact information, please request it using the contact form on <http://www.tinyacheng.com>

Skills:

- *Engineering:* Signals, Circuit/logic design, Robotics, and building personal computers.
- *Programming Languages:* C++, Java, HTML, and CSS.
- *Software:* Microsoft Visual Studio, Eclipse, git, Cadence OrCAD/PSpice, MATLAB, Maple, Mobile Studio Desktop, LabVIEW, SiLabs IDE, and Microsoft Office.
- Studying for Cisco Certified Network Associate (CCNA) and Cisco Certified Network Professional (CCNP).

Education:

Rensselaer Polytechnic Institute, Troy, NY
B.S. Computer & Systems Engineering

Expected Graduation: May 2012

Relevant Experience:

Sixnet – Headquarters, Ballston Lake, NY

Intern – Test Engineering

Summer 2011

- Developed production code for the functional testing of products.
- Designed, documented, and maintained production test procedures.
- Final testing, configuration, and repair of manufactured goods in accordance with established procedures, specifications, and test protocols.

Autonomous Robotic Platform, Engineering Design at Rensselaer Polytechnic Institute

Fall 2010

- Designed, built, and presented an autonomous mobile robotic platform to assist in moving objects for the wheelchair bound, based on feedback from a local nursing home.
- Project Lead for team of seven; supervised overall design and development; individually designed and delivered circuit subsystem of the robotic platform.
- URL: <http://tinyacheng.com/projects/>

iD Tech Camps, internalDrive, Inc., Villanova University, PA

Lead Instructor – Programming and Robotics

Summer 2010

- Promoted to Lead Instructor; supervised nine instructors.

Instructor – Programming and Robotics

Summer 2009

- Programming concepts and data structures in C++ and Java.
- Robot design, construction, programming and game strategy for robotic competitions.

Laboratory for Nano and Micro Photonics, CUNY Queens, NY

Development of Three Dimensional Photonic Integrated Circuits through a Bottom-Up Approach

Summer 2007

- Second place award in Physics (Team) at Intel's International Science and Engineering Fair (ISEF) 2008.
- Third place award from the International Society for Optical Engineering (SPIE) at Intel ISEF for best projects in the area of Optics and Photonics Engineering.

Leadership, Honors, Awards, and Activities:

Equipment Manager for the Ski & Snowboard Club at Rensselaer Polytechnic Institute

Spring 2010-Present

The Dean's List at Rensselaer Polytechnic Institute

Minor Planet 25020, Tinyacheng (Award from Intel ISEF)

2008