200 Park Point, Unit # 208        Phone: (347) 853-1533
Rochester, NY 14623        E-mail: alg7749@rit.edu

# Adey Gebregiorgis

| | |
|---|---|
| **Objective** | Seeking a full-time job in the field of Electrical Engineering |

| | |
|---|---|
| **Education** | **Rochester Institute of Technology, Rochester, NY** |

Degree: BS/MS, expected August 2009
Major: Electrical Engineering with Biomedical Option
RIT Honors Program
GPA: 3.80/4.0        Professional GPA:        3.81/4.0
Awards: Dean's List (Fall 2004 until Present)
RIT International Student Scholarship

**Coursework**

| | | |
|---|---|---|
| Analog IC Design | Pattern Recognition | Electrophysiology |
| Digital Electronics | Random Signal and Noise | Biomedical Instrumentation |
| Electronics I-II | Matrix Methods | Control Systems |
| Intro. to Microcomputers | Digital Signal Processing | Electromagnetic Fields I-II |
| Digital Systems | Linear Systems I-II | Communications |

**Skills**

**Languages:** C
**Operation Systems:** UNIX, Windows, Macintosh
**Software:** Microsoft Office, Matlab, Altera Max+plus II, TI Assembly, Lauterbach Trace32, Matlab, JMP by SAAS
**Equipments:** Oscilloscope, Function Generator, Digital Multimeter, Logic Analyzer
**International language:** French, Amharic

**Experience**

**Boston Scientific, Cardiac Rhythm Management,** St. Paul, MN
*Research Summer Intern*                                        06/08 – 08/08
- Developed Matlab codes to organize and filter data collected from 211 patients enrolled in a clinical study.
- Learned and performed various statistical analyses on the data using JMP software.
- Gave weekly presentation to members of the patient management team.

**R.I.T, Kate Gleason College of Engineering**, Rochester, NY
*Research Assistant – Biomechatronic Learning Laboratory*                11/07 – 05/08
- Conducting research on "Multi-Modal Human Robot Interaction, Interfacing and Integration".
- Investigated different bio-physical and physiological modalities for interfacing and integrating patients with muscular atrophying diseases with robots for rehabilitation.
- Research focuses on developing rehabilitation and assistive robotic technologies.

**General Electrics, Transportation Systems, Global Signaling**, Grain Valley, MO
*Hardware Engineer Co-op*                                        01/07 – 05/07
- Performed hardware verification on the next generation processor/memory board for a train crossing predictor.
- Learned and created program using Lauterbach Trace32.
- Analyzed signal integrity to verify the correct signals were properly transmitted.

**Purdue University, School of Biomedical Engineering**, West Lafayette, IN
*Research Assistant*                                        06/06 – 08/06
- Conducted nanomedicine research by developing single-cell viability assays to study the cytotoxicity levels of Quantum Dots™ that have targeted and entered diseased cells.
- Awarded first place for best PowerPoint presentation.

**Activities / Honors**

Golden Key International Honors Society
Member of Tau Beta Pi (New York Chapter)
Member of IEEE
Member of NSBE
Organization of African Students: President (05-06), Vice-President (04-05)
International House: Vice President (05-06)