

## MATTHEW M. PARKER

### **Present Address**

2174 Seventh Street  
Troy, NY 12180  
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### **Permanent Address**

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### *Objective*

A summer position in the field of Mechanical Engineering, with emphasis on Automation/Robotics

### *Education*

Rensselaer Polytechnic Institute, B.S., Mechanical Engineering, expected December 1990

Bronx High School of Science, Graduated with Honors, June 1987

### *Related Experience*

*Student Production Engineer* 5/89-12/89

RCA - Missile and Surface Radar Division, Moorestown, NJ

Involved in prototyping and design of a vision guided robotics workcell. Generated robotic workcell equipment planning diagrams, software specifications, and integration schematics. Using a CAD system, designed end-effectors, fixtures, and parts trays. Developed communication protocols between the vision system and the robots, and prototyped software to control the assembly process of the workcell, which in its entirety includes 2 robots, vision system, conveyor system, tray feeders, and various sensors.

*Industrial Engineering Trainee* 5/88-8/88

Mattel Toys, Hawthorne, CA

Analyzed the computing needs of the Industrial Engineering department, interviewed prospective vendors, evaluated their computer hardware and software products, and recommended the system that best met the department's requirements. Also developed a software program to graphically systemize production line flow charts and trained engineers and technicians to use the various software.

*Structural Engineering Trainee* 5/87-8/87

S.L.N. & Associates, New York, NY

Developed user friendly software programs to perform Slope Stability Analysis and Retaining Wall Stability Analysis and performed on-site inspections to monitor the stability of retaining walls.

### *Other Experience*

Pool Attendant, Bronx High School of Science Swimming Pool, 1985-87

### *Honors*

Dean's List of Distinguished Students

National Honor Society

### *Activities*

Model United Nations Club

Water Polo Club

Rensselaer Christian Community

Campus Life Committee

Intramural Softball, Volleyball

Other interests include: Squash, Sailing, Cycling, and Reading