

## Ephraim Blout

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Seeking a position in mechanical engineering.

### EDUCATION

The College of New Jersey, Ewing, NJ, May 2010

**Bachelor of Science in Mechanical Engineering**, GPA: 3.88/4.0 Dean's List

### SKILLS

*Technical:* PRO/E - 3D modeling                      ANSYS - Finite Element Analysis                      90/C++/True Basics  
PSPICE- Circuit designing  
Mathematica/MATLAB/LabVIEW- Programs MicorSlim

*Languages:* US Citizen, Bilingual in English and Hindi.

### MECHANICAL ENGINEERING EXPERIENCE

**Research Assistant**, *Engineering Department, TCNJ*, Ewing, NJ, Spring 2009-present

- Use Particle Image Velocimetry system to measure the velocity field in different regions. Acquire and process instantaneous velocity vector fields.
- Perform statistical ensemble averaging on data sets.
- Identify regions of separation and stagnation points.
- Examine Reynolds number dependence on the velocity fields.

**Project Lead**, *Mini Baja, Engineering Department, TCNJ*, Spring 2009

- Develop a financial plan for and manage a budget of \$2000 to be used by a team of 8 to build a Baja vehicle for a regional 120 team competition.
- Devised the suspension system.

**Intern**, *Turner Construction Company*, Ridgewood, NJ, Summer 2008

- Accurately validated architectural and engineering drawing measurements.
- Constructed monthly report containing project overview and budget, progress photos, and change orders.
- Interacted with engineers, salesmen, and subcontractors while preparing bid submittals.

**Intern**, *TCNJ Power Plant*, Ewing, NJ, Spring 2007 - Fall 2007

- Collected Co-Gen Production data. Organized data on Excel sheet.
- Conducted efficiency and cost analyses.

### LEADERSHIP INVOLVEMENT

**Senator/ Parliamentarian**, *Student Government Association*, School of Engineering

- Represented 300 engineering students in the governance process.

**Member**, *American Society of Mechanical Engineers*

**Member**, *Society of Automotive Engineers, American Society for Engineering Management*

### HONORS AND AWARDS

Fred O. Armstrong Award for excellence in engineering (3-time recipient)

Golden Key International Honor Society