STUDENT OPPORTUNITIES IN MANUFACTURING

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GT Manufacturing Institute

Creating the Next

Georgia Institute of Technology
ASME STUDENT PAPER COMPETITION

PVP (Pressure Vessels and Piping) 2017 Conference

• Chance to win a trip to Hawaii in July

• Leading student authors of the finalist papers will receive a travel allow of $1,500 to attend the conference.

• Additional cash prizes for each category are available (PhD, BS/MS)
  • $1200 for presenting author of the Outstanding Student Paper
  • $1,000 for first runner-up
  • $800 for second runner-up

• All winners will receive a certificate from PVP
ASME STUDENT PAPER COMPETITION

Important dates of the conference:

• **November 7, 2016:** Submit via ASME Web Tool a 150–200 Word Abstract of the Proposed Paper
• November 28, 2016: Receive notification of Abstract Acceptance
• **February 06, 2017:** Submit via ASME Web Tool the Full-Length Draft Paper for Review
• March 06, 2017: Author/Paper Review Complete and/or Acceptance Notification
• April 07, 2017: Submit via ASME Web Tool the Copyright Agreement Form
• April 07, 2017: Submit via ASME Web Tool Final Papers for Publication
• April 29, 2017: Selection of the finalists
• **July 16–20, 2017:** Present Paper at the PVP 2017 Conference SPC Technical Sessions
• July 19, 2017: Attend the PVP Conference Honors Assembly

For more information, contact Jianfeng (Paul) Shi, Ph.D., at 404-385-4058 or jshi90@gatech.edu.
The PepsiCo Open Innovation team is the upstream, externally facing, department within PepsiCo Global R&D. They are actively scouting for, identifying and developing strategic partnerships with external collaborators. The ultimate goal is to locate key external insights, business models and technical unlocks that, when partnered with PepsiCo’s robust internal R&D expertise, will yield disruptive innovation in core products and/or new and emerging products/markets. The Open Innovation team is currently exploring novel technology spaces that can dramatically impact the portfolio of products.

PepsiCo is interested in improving all facets of our supply chain and identifying global efficiencies in areas including: crop science, ingredients, processing, packaging, sensors, analytical equipment, point of sale equipment, distribution/fleet and e-commerce.

For more information on opportunities, please see link below.

https://ninesights.ninesigma.com/web/pepsico-gallery?mc_cid=013a2df3b8&mc_eid=cd64f45326
GULFSTREAM INTERNSHIP OPPORTUNITIES

Now hiring 2017 college interns

Do you know a college student looking for real-world job experience? They can find openings for Gulfstream's 2017 spring and summer internship program on gulfstream.com/careers.
STEELCASE OPPORTUNITIES

• Gaming Internship—turn a game idea into code in a fast moving manufacturing production environment
• Junior, Senior, or Graduate student
• 10-20 hours/week in Atlanta
• Computer Science or Computer Engineering
• Responsibilities
  • Translate requirements into complicated but clean and efficient code
  • Construct the base or the engine on which the game will run
  • Produce prototypes of gameplay ideas and features
  • Develop scheduled and determine milestones
  • Generate games scripts and storyboards.
STEELCASE INTERNSHIP OPPORTUNITIES

- Process of material and product movement needs through the supply chain
- At least junior level standing
- Industrial or Mechanical Engineering major
- Minimum 3.0 GPA average
- US citizen, Permanent resident, F1 Visa, or H1 Visa
- Experience with AutoCAD
MANUFACTURING SCHOLARS PROGRAM OVERVIEW

- Georgia Tech undergraduate engineering students apply to the program
- Manufacturer elects to sponsor a Manufacturing Scholars project
- Faculty mentor identified by GTMI based on technical content of project
- Best student selected as Manufacturing Scholar to work on the project with input from GT and sponsor
- Student performs 9-month (2-semester) project under faculty/sponsor guidance
- Student completes a 3-month summer internship at the sponsor site
PROGRAM GOALS & BENEFITS

For Top GT Undergraduate Students
• Raise awareness and interest in manufacturing
• Enhance manufacturing-related skills and knowledgebase
• Provide paid hands-on experience in GT labs and real-world manufacturing settings

For Sponsor Companies
• Increase the size and quality of the manufacturing talent pipeline
• Provide early access to top GT undergraduate students with demonstrated manufacturing skills and knowledge

For Faculty
• Provide a new mechanism to collaborate with companies and undergraduate students on short-term projects to solve manufacturing challenges
Year 1

- Spring: Students Apply
- Summer: Student selected
- Fall: Student project at GT
- Company sponsors and develops a project

Year 2

- Spring: Student project at GT
- Summer: Student internship at sponsor site
- Fall: Student project at GT
COMPETITIVE STUDENT SELECTION CRITERIA

- Academic Performance
- Hands-on Experience
- Communication Skills
- Manufacturing-related Interests
EXPECTATIONS OF SPONSORS

- $10,000 to support each Manufacturing Scholar*
- Multiple Manufacturing Scholars may be supported by a sponsor at one time
- Co-develop 1 page project description with GT faculty
- Internship location, citizenship requirements, pay rate, work schedule, travel arrangements (if any) to be provided to student before s/he accepts the position

*Internships are paid separately by the sponsor. They are not part of the $10,000 project cost.
VALUE PROPOSITION FOR SPONSORS

- Access to a pool of top Georgia Tech students from multiple disciplines who are interested in:
  - completing a manufacturing-related research project at GT
  - completing an internship in a manufacturing facility
- Ability to select best student for a project (and potential future hire) based on their major, technical interests, academics, prior experience in research and manufacturing, and communication skills
- Leadership of GT faculty member who is an expert in the project’s technical area and personally mentors the student
- Access to unique research equipment and facilities that are essential for conducting the project
VALUE PROPOSITION FOR SPONSORS (2)

- Student committed to working on the project:
  - Minimum of 10 hours per week for 9 months while at GT
  - 40 hours per week for 3 months in a full-time internship at the company site*

- Company has a 9-12 month “pre-interview” period with student while the student develops skills and knowledge in a manufacturing-related technical area important to the sponsor

- Opportunity and funding for the student to visit the company during the 9-month, on-campus research phase

- Monthly project updates provided to the sponsor

*Internships are paid separately by the sponsor. They are not part of the $10,000 project cost.
COMPANIES: CONTACT US TO GET INVOLVED

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QUESTIONS?

Thank you!

http://www.manufacturing.gatech.edu/education/manufacturing-scholarships