

# Mathematical, Information and Computer Sciences Department

## Student Scholarly Work and Internships

### 2012-13

#### Honors Projects

##### **Caylor Booth**

*Applications of Image Processing to Automate Tumor Image Quantification*

##### **Joy Chieh-Jung Chen**

*On the Alexander Polynomial and Related Invariants*

##### **Kassandra Ham**

*An Analysis of the Effects of PLNU's Enrollment Cap on Student Values*

##### **Olivia Heunis**

*The History & Mathematics of Perspective Devices*

##### **Sean Lewis**

*Simulation-Based Application of Artificial Intelligence to General Game Playing*

##### **Catherine Quimby**

*John Wallis and Quadratures*

#### Conference Presentations

##### **Caylor Booth**

*Applications of Image Processing to Automate Tumor Image Quantification*  
Mathematical Association of America Meeting, San Diego, April 20, 2013.

##### **Joy Chieh-Jung Chen**

*On the Alexander Polynomial and Related Invariants*

Mathematical Association of America Meeting, San Diego, April 20, 2013

##### **Kassandra Ham**

*An Analysis of the Effects of PLNU's Enrollment Cap on Student Values*

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##### **Olivia Heunis**

*The History & Mathematics of Perspective Devices*

Mathematical Association of America Meeting, San Diego, April 20, 2013

##### **Sean Lewis**

*Simulation-Based Application of Artificial Intelligence to General Game Playing*

Consortium for Computing Sciences in Colleges Conference, San Marcos, April 6, 2013.

##### **Catherine Quimby**

*John Wallis and Quadratures*

Mathematical Association of America Meeting, San Diego, April 20, 2013

Service Learning Projects

**Dustin Ansley, Amanda Olson, Wileen Chiu, Joshua Lam**

*Increasing High School Student Awareness about Computer Science*

Summer 2012 Research

**Caylor Booth**

**Joy Chen**

**Kassandra Ham**

**Amy Hinds**

**Catherine Quimby**

**Ethan Wade**

Internships

**Caylor Booth**

*Scripps Translational Science Institute*

**Katherine Graham**

*PLNU Information Technology Services*

**Blake Herrington**

*PLNU Information Technology Services*

**Randy Hiroshige**

*Sambreel Services, LLC*

**Joshua Lam**

*PLNU Information Technology Services*

**Amanda Trexel**

*Qualcomm*

**Tim Little**

*PLNU Information Technology Services*

**Luke Malina**

*PLNU Information Technology Services*

**Joseph Medina**

*PLNU Information Technology Services*

**Kristen Petersen**

*University of Utah Bioengineering Lab*

**Zachary Zorn**

*Appy Entertainment*

*TransWorld Media*