

## 2017-18 MSHI CAPSTONE PROJECTS

| Student                   | Capstone Title   | Academic Advisor   | Project Advisor      | Organization                                     |
|---------------------------|--|--------------------|----------------------|--|
| Carson Cleveland          | Analysis of the UAB Surgical Implant receiving, tracking and ordering process                  | Dr. Shannon Houser | Fred Horton**        | UAB Medicine, Perioperative Business & Resources |
| Chris Compton             | Taming Data from the Wild  | Dr. Ben Ozaydin    | Dr. Ferhat Zengul**  | UAB School of Health Professions                 |
| Cameron Ingram            | Usability Test of the MyFitnessPal Mobile Application  | Dr. Midge Ray      | Dr. Mohan Thirumalai | UAB School of Health Professions                 |
| Nathan Miyasaki           | Retrospective Project Analysis through Data Visualization                                      | Dr. Sue Feldman    | Stanley Ingram       | UAB Medicine, HSIS                               |
| Dr. Nandika Nagodawithana | Design and Implementation of Integration and Delivery of Research Data between OnCore and i2b2 | Dr. Eta Berner     | Matthew Wyatt**      | UAB, Informatics Institute                       |
| Carson Ralphs             | Continuous Reporting of Patient Reported Outcomes for Breast Cancer Patients                   | Dr. Sue Feldman    | Warren Smedley**     | UAB Medicine, Comprehensive Cancer Center        |
| Lauren Shivers            | Development of a Computerized Pediatric Intensive Care Unit Septic Shock                       | Dr. Sue Feldman    | Dr. Leslie Hayes     | Children's of Alabama, Pediatric Critical Care   |

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|                     | Protocol:<br>Improving User Experience and Patient Outcomes  |                    |                     |  |
| Matthew Smith       | The Negative Impact of Health Information Systems when Standard Information Technology Security Architecture is not the Foundation | Amanda Dorsey**    | Patrick Fisher      | UAB Medicine, HSIS                             |
| Tonya Sparks        | Facilitating Recovery through User Experience Enhancements for Liver Transplant Recipients   | Amanda Dorsey**    | Katie Slaughter     | UAB Medicine Hepatology and Liver Transplant   |
| Jimmy Tinsley       | Improve the Process and Visibility of Obtaining True Supply Cost per Procedure   | Dr. Sue Feldman    | Laura Kowalczyk     | UAB Medicine Supply Chain and Support Services |
| Luona Wang          | Enhanced CT Simulation Throughput  | Dr. Shannon Houser | Chris Parsley       | UAB Medicine Radiology Oncology                |
| Kim Hendon, PharmD. | Development of an Informatics Dashboard to Describe Prescribing Patterns of Specialty  | Dr. Sue Feldman    | Matthew Malachowski | UAB Medicine, Pharmacy                         |

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|--|---|-----------------|--------------------------|---|
|  | Medications   |                 |                          |   |
| Carrie Norwood                         | COACHES Online:<br>A Homepage for<br>Community<br>Hospital Pediatric<br>Simulation                      | Dr. Sue Feldman | Dr. Chrystal<br>Rutledge | Children's of<br>Alabama,<br>Pediatric Critical<br>Care |
| Adam Krukas                            | Trigger-<br>Identification Of<br>High Risk<br>Medication<br>Orders: Potassium<br>As An Example<br>Study | Dr. Eta Berner  | Dr. Zach Hettinger       | Medstar Health<br>Research Institute                    |
| <b>**Indicates Departmental alumni</b> |   |                 |                          |   |