Undergraduate Honors (/)

Projects and Graduates (/students/finished)   Apply (/students/apply)
About and Requirements (http://undergrad.cs.umd.edu/honors/)

Honors Graduates

1. **Michael Andrew Suehle** Fall, 2022
   Advisor: Erin Molloy
   Fast branch length estimation under the multi-species coalescent model using triplets
   (/uploads/thesis/file/233/Final_Michael_Suehle_Honors_Thesis.pdf)

2. **Zongxia Li** Spring, 2022
   Advisor: William Gasarch
   AN EMPIRICAL COMPARISON OF THE QUADRATIC SIEVE FACTORING ALGORITHM AND THE
   POLLARD RHO FACTORING ALGORITHM (/uploads/thesis/file/219/An_empirical_analysis.pdf)

3. **Aaron Raj Ortwein** Spring, 2022
   Advisor: Dave Levin
   HTTK(S): Characterizing and Evading Application-Layer Censorship by TransTeleKom
   (/uploads/thesis/file/227/HTTK_S__Characterizing_and_Evading_Application-
   Layer_Censorship_by_TransTeleKom.pdf)

4. **Russell William Schwartz** (High Honors) Spring, 2022
   Advisor: Pratap Tokekar
   Robust Multi-Agent Task Assignment in Failure-Prone and Adversarial Environments
   (/uploads/thesis/file/226/ICRA_Submission.pdf)

5. **Naveen Janaki Raman** (High Honors) Spring, 2022
   Advisors: Aravind Srinivasan, John Dickerson
   Data-Driven Methods for Balancing Fairness and Efficiency in Ride-Pooling
   (/uploads/thesis/file/222/2021_ijcai_deepfair_rideshare__1_.pdf)

6. **Nathan Hayes** Spring, 2022
   Advisor: James Reggia
   Honors Thesis: An Empirical Approach to Models of Associative Learning for Sequence Memory
   (/uploads/thesis/file/225/small_thesis.pdf)

7. **Vatsal Agarwal** (High Honors) Spring, 2022
   Advisor: Abhinav Shrivastava
   Introducing Feedback Connections to Vision Transformers
   (/uploads/thesis/file/231/Honors_Thesis_2022.pdf)

8. **William Jiang Chung** Spring, 2022
   Advisor: Ethan Cecchetti
   Mechanizing and Implementing a Type System for Symphony
   (/uploads/thesis/file/229/Mechanizing_and_Implementing_a_Type_System_for_Symphony.pdf)

9. **Christopher Branch Nalty** Summer, 2021
   Advisor: James Reggia
   A Comparison of Policy Gradient Methods for Multitask Learning (/uploads/thesis/file/211/CNalty_-
   _Honors_Thesis.pdf)

10. **Katherine Ashley Sullivan** (High Honors) Spring, 2021
    Advisor: David Mount
    A Local-Search Approach to Timetable Scheduling
    (/uploads/thesis/file/218/CS_Honors_Thesis___Sullivan__2_.pdf)

11. **Mahir Jhaveri** Spring, 2021
    Advisor: Nirupam Roy
    Bit-Depth Reduction And Audio Signal Classification
    (/uploads/thesis/file/214/Final_Mahir_Jhaveri_Honors_Thesis.pdf)

12. **Marko Neskovic** Spring, 2021
    Advisor: David Jacobs
    Modified Teacher-Student Learning Approach to Predicting Mode of Transportation
    (/uploads/thesis/file/212/Honors_Thesis__Transportation_Prediction.pdf)

13. **Temur Saidkhodjaev** Spring, 2021
    Advisor: David Van Horn
    Sound and Efficient Fine-Grained Gradual Typing via Contract Verification
    (/uploads/thesis/file/217/Sound_and_Efficient_Fine-
    Grained_Gradual_Typing_via_Contract_Verification.pdf)

14. **Yifan Yang** (High Honors) Spring, 2020
    Advisor: Hector Corrada Bravo
    Fast Query and Interactively Explore Data from Indexed Genomic Files
    (/uploads/thesis/file/208/Yifan_Yang_UG_Thesis.pdf)

15. **Abhishek Mishra** Spring, 2020

    Advisor: David Van Horn

    A Module System for a Racket-like Language (/uploads/thesis/file/209/HonorsThesis.pdf)

16. **Justin Alexander Goodman** Spring, 2020

    Advisor: Michelle Mazurek

    `What Twitter Knows' Extension -- Dataset Exploratory Analysis
    (/uploads/thesis/file/210/goodman.pdf)

17. **Johann Karl Borofka Miller** (High Honors) Spring, 2020

    Advisor: Daniel Abadi

    Protocols for Online, Consistent Remastering in SLOG
    (/uploads/thesis/file/220/Protocols_for_Online__Consistent_Remastering_in_SLOG.pdf)

18. **Anthony Li** Spring, 2019

    Advisor: Jon Froehlich

    AccessScore: A framework for generating individually tailored accessibility visualizations for people
    with mobility impairments (/uploads/thesis/file/203/accessscore-framework-generating__1_-
    compressed.pdf)

19. **Baram Sosis** (High Honors) Spring, 2019

    Advisor: James Reggia

    Learning in a continuous-valued attractor network (/uploads/thesis/file/202/08614073.pdf)

20. **James Cary Mason** Spring, 2019

    Advisor: Dana Nau

    A domain for the evaluation of RAEplan (/uploads/thesis/file/204/honorsThesis.pdf)

21. **George Hughey** (High Honors) Spring, 2019

    Advisor: Dave Levin

    UnCaptcha: A Low-Resource Defeat of ReCaptcha's Audio Challenge
    (/uploads/thesis/file/207/thesis.docx)

22. **Omer Yampel** (High Honors) Spring, 2019

    Advisor: Tudor Dumitras

    BEAGLE: Provenance Graphs for Security Incident Response

23. **Alexander Zhang** Spring, 2018

    Advisor: Marine Carpuat

    Detecting Semantic Difference using Word Embeddings (/uploads/thesis/file/201/detecting-
    semantic-difference.pdf)

24. **Noa Eisenbach Chazan** Spring, 2018
    Advisor: Jon Froehlich
    A Temporal Thermography System for Supporting Longitudinal Building Energy Audits
    (/uploads/thesis/file/193/Ubicomp_PosterPaper_v10b-CameraReady_ChangesAccepted_MLM.pdf)

25. **Marcus Fedarko** (High Honors) Spring, 2018
    Advisor: Mihai Pop
    Hierarchically Visualizing Metagenome Assembly Graphs with MetagenomeScope
    (/uploads/thesis/file/200/fedarko_thesis.pdf)

26. **Austin Bourgerie** Spring, 2018
    Advisor: Jeff Foster
    Refinement Types for Ruby (/uploads/thesis/file/192/paper.pdf)

27. **Patrick David Owen** Spring, 2017
    Advisor: Amitabh Varshney
    Factoring Point Clouds into Positions and Translations for Compression
    (/uploads/thesis/file/186/point_clounds.pdf)

28. **Jeremy August Krach** Spring, 2017
    Advisor: James Purtilo
    Copy-on-Reference File Mechanism Extends Scope of Dynamic Reconfiguration
    (/uploads/thesis/file/189/Krach_Jeremy_Thesis.pdf)

29. **Ashton Niels Webster** Fall, 2016
    Advisor: James Purtilo
    A Comparison of Transfer Learning Algorithms for Defect and Vulnerability Detection
    (/uploads/thesis/file/185/ashtonwebster-honorsthesis.pdf)

30. **Francis Trevor Cangialosi** (High Honors) Spring, 2016
    Advisor: Dave Levin
    Ting: Measuring and Exploiting Latencies Between All Tor Nodes (/uploads/thesis/file/183/ting-imc15.pdf)

31. **Amelia Rose Malone** Spring, 2016
    Advisor: Michelle Mazurek
    The Digital Divide in Search Query Composition Patterns
    (/uploads/thesis/file/184/MaloneThesisFinal3.pdf)

32. **Andrew Stewart Consroe** Fall, 2015
    Advisor: Mihai Pop

Contig Abundance Estimation in Metagenomic Samples using k-mer Count Analysis (/uploads/thesis/file/182/Consroe_honors_thesis.pdf)

33. **John Purtilo** Fall, 2015
    Advisor: James Reggia
    Abductive Spatial Reasoning Diagnosis Models (/uploads/thesis/file/181/PURTILO_SPATIAL.pdf)

34. **Omar Hossain Ahsan** Fall, 2014
    Advisor: Howard Elman
    QR Decomposition in a Multicore Environment (/uploads/thesis/file/177/TSQR_Final.pdf)

35. **Ryan Michael Dorson** Fall, 2014
    Advisors: Evan Golub, David Jacobs
    CrosScan: The Crossword Scanning App (/uploads/thesis/file/178/Thesis.pdf)

36. **Victoria Lai** (High Honors) Spring, 2014
    Advisors: Dave Levin, William Rand
    Proving the Impossible: Provable Route Avoidance using Alibi Routing (/uploads/thesis/file/173/alibi.pdf)
    Comparing Social Tags to Microblogs (/uploads/thesis/file/174/social_tags.pdf)
    How do Twitter Conversations Differ based on Geography, Time, and Subject? (/uploads/thesis/file/175/topical_conversations.pdf)

37. **Jeremy Ozymandias Fallick** Spring, 2014
    Advisor: Hal Daume
    A Generalized Framework for Machine Transliteration (/uploads/thesis/file/176/Generalized_Framework_for_Machine_Transliteration.pdf)

38. **Khoa T Ha** Fall, 2013
    Advisor: Ramani Duraiswami
    Tracing implicit surfaces from polygonal mesh using FIGTree (/uploads/thesis/file/171/document.pdf)

39. **Andrew J Lohr** Spring, 2013
    Advisor: William Gasarch
    Tight Lower Bounds for Unequal Division (/uploads/thesis/file/170/unequal_division.pdf)

40. **James Lee Parker** Spring, 2013
    Advisor: Michael Hicks
    Froid: Functional Reactive Android (/uploads/thesis/file/172/thesis-2.pdf)

41. **Elissa Marie Redmiles** Spring, 2013
    Advisor: Samir Khuller
    Human factors and requirements for a successful mobile platform dynamic taxi-share system in the
    USA (/uploads/thesis/file/16/FinalThesis.pdf)

42. **John Daniel Ingraham** Spring, 2013
    Advisor: Ben Bederson
    Rule Creation in CTArcade: Teaching Abstract Computational Thinking From Concrete Guidelines
    (/uploads/thesis/file/18/ingraham.pdf)

43. **Joshua Tai Brule** Spring, 2013
    Advisor: William Gasarch
    The `Russian Roulette' Problem: A Probabilistic Variant of the Josephus Problem
    (/uploads/thesis/file/169/brule_roulette.pdf)

44. **Moshe Matanya Katz** Fall, 2012
    Advisor: Elaine Shi
    A Survey of Security in Single-Purpose Systems
    (/uploads/thesis/file/166/A_Survey_of_Security_in_Single__Redacted_.pdf)

45. **Yehuda Aryeh Katz** Fall, 2012
    Advisor: Elaine Shi
    A Survey of Security in Single-Purpose Systems
    (/uploads/thesis/file/167/A_Survey_of_Security_in_Single__Redacted_.pdf)

46. **John Toman** Fall, 2012
    Advisor: Jeff Foster
    Topics in Compilers (/uploads/thesis/file/168/cmsc390_honors_paper.pdf)

47. **Hitesh Maidasani** Spring, 2012
    Advisor: Lise Getoor
    Entity Resolution Evaluation Measures (http://honors.cs.umd.edu/reports/hitesh.pdf)

48. **Eric Kuang** Spring, 2012
    Advisor: Bruce Golden
    A 2-opt Based Heuristic for the Hierarchal Traveling Salesman Problem
    (http://honors.cs.umd.edu/reports/kuang.pdf)

49. **Philip Anderson** Spring, 2012
    Advisors: Louiqa Raschid, Samir Khuller

Link Prediction for Annotation Graphs using Graph Summarization
(http://honors.cs.umd.edu/reports/anderson.pdf)

50. **Jeff Jacobs** Spring, 2012
Advisor: James Reggia
Evolving Musical Counterpoint (http://honors.cs.umd.edu/reports/jjacobs.pdf)

51. **Talia Ringer** Spring, 2012
Advisor: Larry Washington
An Elliptic Curve Threshold Key Establishment Scheme
(http://honors.cs.umd.edu/reports/ringer.pdf)

52. **Kris Samala** Spring, 2012
Advisor: Carl Kingsford
Modelling Disease Transmission on a Location-Based Social Network
(http://honors.cs.umd.edu/reports/ksamala.pdf)

53. **Ryan Sims** Spring, 2012
Advisor: Bill Pugh
Secure Execution of Student Code (http://honors.cs.umd.edu/reports/simspaper.pdf)

54. **Tobin Valenstein** Spring, 2012
Advisor: Evan Golub
Science Kit (http://honors.cs.umd.edu/reports/tobinpaper.pdf)

55. **Tiffany Chao** Fall, 2011
Advisors: Atif Memon, Ben Shneiderman
Visual Techniques for Medical Reconciliation (http://honors.cs.umd.edu/reports/tiffany.pdf)

56. **Richard Matthew McCutchen** (High Honors) Spring, 2011
Advisor: Samir Khuller
Streaming algorithms for k-center clustering with outliers and with anonymity
(http://honors.cs.umd.edu/reports/MattClustering.pdf)

57. **Levon K. Mkrtchyan** Spring, 2011
Advisor: Bonnie Dorr
Using Sparse Training to Estmate Context-Sensitive Translation Probabilities
(http://honors.cs.umd.edu/reports/sparsetrain.pdf)

58. **Carl Albach** Spring, 2011
Advisor: Mihai Pop

K-mulus: A database clutering approach to protein BLAST in the clouds
(http://honors.cs.umd.edu/reports/clusterprotein.pdf)

59. **Sebastian Angel** Spring, 2011
Advisor: Mihai Pop
K-mulus: A database clutering approach to protein BLAST in the clouds
(http://honors.cs.umd.edu/reports/clusterprotein.pdf)

60. **Jonathan Speiser** Spring, 2011
Advisor: Ben Bederson
SIMP: A Simplified Computational thinking and programming tool for children
(http://honors.cs.umd.edu/reports/simp.pdf)

61. **Allison Hoch** Fall, 2010
Advisor: Samir Khuller
Dense Graphs (http://honors.cs.umd.edu/reports/allie.pdf)

62. **Daniel Sugarman** Spring, 2010
Advisor: Amitabh Varshney
User Interface for MyeVyu (http://honors.cs.umd.edu/reports/interface2.doc)

63. **Timothy J. Meyer** Spring, 2010
Advisor: Amy Weinberg
Evaluation of Entity Recognition Systems (http://honors.cs.umd.edu/reports/meyer.pdf)

64. **Sonia R. Franckel** Spring, 2009
Advisor: Allison Druin
GeoStories (http://honors.cs.umd.edu/reports/Franckel_GeoStories.pdf)

65. **Yuangchen (Mike) Luo** Spring, 2009
Advisor: Ramani Duraiswami
Canny Edge Detection on NVIDIA GPU (http://honors.cs.umd.edu/reports/luo_08.pdf)

66. **Kristin Stephens** Spring, 2009
Advisor: James Reggia
Optimizing Swarm Intelligence in Solving Transport Problems
(http://honors.cs.umd.edu/reports/StephensOptSwarmTransportProblem.pdf)

67. **Christine Masuoka** Fall, 2008
Advisor: Michelle Hugue
Java Programming Using Voice Input: Adding Java Support to VoiceCode
(http://honors.cs.umd.edu/reports/cmasuoka_HonorsProjectReport.pdf)

68. **Jacob Devlin** (High Honors) Fall, 2008
    Advisor: Bonnie Dorr
    Dealing with Deletion Errors in MT (http://honors.cs.umd.edu/reports/Devlin-HonorsPaper1.pdf)
    Automatically Derived Multi-level Word Classes for MT (http://honors.cs.umd.edu/reports/Devlin-HonorsPaper2.pdf)

69. **Brent Dorman** Spring, 2008
    Advisor: William Gasarch
    Secret Bit Transmission Using a Deck of Cards (http://honors.cs.umd.edu/reports/Dorman-CardCryptography.pdf)

70. **Daniel Hackner** Spring, 2008
    Advisor: Atif Memon
    GUITAR AMP (AutoMatic jfcunit test case Producer) (http://honors.cs.umd.edu/reports/Hackner-Honors-2008.pdf)

71. **Lynn Reggia** Spring, 2008
    Advisor: William Gasarch
    Secret Bit Transmission Using a Deck of Cards (http://honors.cs.umd.edu/reports/Reggia-CardPap.pdf)

72. **Morgan Dixon** Spring, 2008
    Advisor: François Guimbretiére
    Optimal Parameters for Efficient Crossing-Based Dialog Boxes
    (http://honors.cs.umd.edu/reports/Dixon-crossingCHI2008.pdf)

73. **Stanley Jih-hwa Lam** Spring, 2008
    Advisor: Ben Shneiderman
    PatternFinder in Microsoft Amalga: Temporal Query Formulation and Result Visualization in Action
    (http://honors.cs.umd.edu/reports/Lam-PatternFinder in Azyxxi.htm)

74. **Chris Conroy** Spring, 2008
    Advisor: James Purtilo
    Magnetic Card Security Project (http://honors.cs.umd.edu/reports/Conroy-Magnetic%20Swipe%20Card%20System%20Security.pdf)

75. **Michael Wasser** (High Honors) Spring, 2008
    Advisor: Bonnie Dorr
    SocialBrowsing: Augmenting Web Browsing to Include Social Context
    (http://honors.cs.umd.edu/reports/Wasser-SocialBrowsing.pdf)

76. **Jeffrey A. Meister** Spring, 2008
    Advisors: Jeff Foster, Michael Hicks
    Serializing C Intermediate Representations to Promote Efficiency and Portability
    (http://honors.cs.umd.edu/reports/Meister-paper.pdf)

77. **Katrina LaCurts** Spring, 2008
    Advisor: William Gasarch
    Decision Trees (http://honors.cs.umd.edu/reports/LaCurts-thesis.pdf)

78. **Andrew Parrish** (High Honors) December, 2007
    Advisor: William Gasarch
    Purely Combinatorial Proofs of Van der Waerden-type Theorems
    (http://honors.cs.umd.edu/reports/vdw.pdf)
    Exploration of the Three-Person Duel (http://honors.cs.umd.edu/reports/truel.pdf)

79. **Daozheng Chen** Summer, 2007
    Advisor: David Jacobs
    Speeding up Queries in a Leaf Image Database
    (http://honors.cs.umd.edu/reports/Speedup_queries_in_a_leaf_image_database.pdf)

80. **Jessica Chang** Spring, 2007
    Advisor: Samir Khuller
    Online Algorithms for Broadcast Scheduling (http://honors.cs.umd.edu/reports/Jessica-Chang-
    paper.pdf)

81. **Jonathan Howard** 2006
    Advisor: Amitabh Varshney
    Vertex Reordering for Cache Coherency
    (http://honors.cs.umd.edu/reports/Vertex_Reordering_for_Cache_Coherency.pdf)

82. **Phillip Crosby** 2006
    Advisor: François Guimbretiére
    Annoflow -- Handwritten Annotation and Proofreading on Dynamic Digital Documents
    (http://honors.cs.umd.edu/reports/handwriting.pdf)
    Demo (http://honors.cs.umd.edu/reports/handwritingdemo.html)

83. **Patrick Armstrong** 2006
    Advisor: William Gasarch
    Automated Strategies for the Game "Minesweeper"
    (http://honors.cs.umd.edu/reports/minesweeper.pdf)

84. **Robert Patro** 2006

   Advisor: Amitabh Varshney

   A survey of some recent results in computer graphics
   (http://honors.cs.umd.edu/reports/graphics.pdf)

85. **Daniel Ramsbrock** 2006

   Advisor: Jonathan Katz

   Magnetic Swipe Card System Security (http://honors.cs.umd.edu/reports/magcard.pdf)

86. **Bryant Lee** 2006

   Advisor: Uzi Vishkin

   XMT Applications Programming: Image Registration and Computer Graphics
   (http://honors.cs.umd.edu/reports/lee.pdf)

87. **John Shin** 2006

   Advisor: Dana Nau

   A graphical interface for JHOP-2 (http://honors.cs.umd.edu/reports/interface.doc)

88. **David Renie** 2006

   Advisor: James Purtilo

   Voter discrepancy through improper districting (http://honors.cs.umd.edu/reports/votes.doc)

89. **John Brennan** 2006

   Advisor: James Purtilo

   Voter discrepancy through improper districting (http://honors.cs.umd.edu/reports/votes.doc)

90. **David Marcin** 2006

   Advisor: James Purtilo

   Voter discrepancy through improper districting (http://honors.cs.umd.edu/reports/votes.doc)

91. **Firouzeh Jalilian** 2005

   Advisor: Michel Cukier

   Development of Vulnerable E-Commerce (http://honors.cs.umd.edu/reports/Firouzeh.pdf)

92. **Amy Lee Alford** 2005

   Advisor: Jim Hendler

   A First Generation Semantic Portal (http://honors.cs.umd.edu/reports/querier-writeup.ps)

93. **Daniel Speyer** 2005

   Advisor: Atif Memon

   ForNet (http://honors.cs.umd.edu/reports/ForNet2004.pdf)

94. **Michael Lin** 2005
Advisor: Hanan Samet
Cartographic Labelling (http://honors.cs.umd.edu/reports/Cartographic.pdf)

95. **Svetlana Yarosh** 2005
Advisor: Don Perlis
Universal Device Interface (http://honors.cs.umd.edu/reports/finalthesis.doc)

96. **Bret Cohen** 2005
Advisor: Gilmer Blankenship
Firearm Alerting System

97. **Colin Dixon** 2005
Advisor: Samir Khuller
Vertex cover problem with hard capacities (http://honors.cs.umd.edu/reports/colin-final.pdf)

98. **Ryan E. Braud** 2004
Advisor: Bobby Bhattacharjee
Using Application Layer Multicast to Distribute Streaming Video
(http://honors.cs.umd.edu/reports/Ryan_Braud.html)

99. **Kevin Conroy** 2004
Advisor: François Guimbretiére
TAbiWord: Digital Document Annotation and Reflow
(http://honors.cs.umd.edu/reports/Tabiword.pdf)

100. **Michael Fan** 2004
Advisor: William Gasarch
Tic Tac Toe with Betting (http://honors.cs.umd.edu/reports/ttt.ps)

101. **Stuart D. Fletcher** 2004
Advisor: William Gasarch
The Egg Game (http://honors.cs.umd.edu/reports/egg.ps)

102. **Steven Philip Helfand** 2004
Advisor: David Mount
The Democritization of GIS and Applications in Community Planning

103. **Phillip B. Kirlin** 2004
Advisor: Hanan Samet
Cartographic Generalization of Polylines Stored in Quadtrees
(http://honors.cs.umd.edu/reports/pkirlin.htm)

104. **Christian Klein** 2004
Advisor: Ben Bederson
Effectiveness of Animated Scrolling (http://honors.cs.umd.edu/reports/Klein/2004-14.pdf)

105. **Istvan Laszlo** 2004
Advisor: David Mount
Moon of Mars Explorer
(http://honors.cs.umd.edu/reports/laszloi/Moons%20of%20Mars%20Explorer.htm)

106. **Shirin Mehraban** 2004
Advisor: Chau-Wen Tseng
A Linear Programming Based Algorithm for Multiple Sequence Alignment by Using Markov Decision
Process (http://honors.cs.umd.edu/reports/Mehraban-Paper051204.pdf)

107. **Pramit K. Mohapatra** 2004
Advisor: François Guimbretiére
Inclusion of Edge Length in TreeJuxtaposer Tree Layouts (http://honors.cs.umd.edu/reports/pramit-summary.htm)

108. **Will Valencia** 2004
Advisors: Larry Washington, William Gasarch
Creating a Pseudo-Random Number Generator (http://honors.cs.umd.edu/reports/Valencia.html)

109. **Nikolai Yakovenko** 2004
Advisors: Larry Washington, William Gasarch
Analysis of a New Shift Cipher (http://honors.cs.umd.edu/reports/Nikolai-paper.pdf)

110. **Nilani Aluthgendra** 2003
Advisor: Dianne O'Leary
Recognizing Sentence Boundaries and Boilerplate (http://honors.cs.umd.edu/reports/Nilani.pdf)

111. **Dave Cohen** 2003
Advisor: Vic Basili
The Visual Query Interface: Graphical User Interface Analysis and Redesign
(http://honors.cs.umd.edu/reports/dcohen.pdf)

112. **Aaron Elkiss** 2003
Advisor: Philip Resnik
A Scalable Architecture for Linguistic Annotation (http://honors.cs.umd.edu/reports/Elkis-honorspaper/index.html)

113. **Martha Gebremichael** 2003

Advisor: Michael Hicks

Implementing On-line Software Upgrades in JavaSource Code
(http://honors.cs.umd.edu/reports/MarthagmHonorsProject.pdf)

Source Code (http://honors.cs.umd.edu/reports/MarthagmSourceCode.html)

114. **Scott Moore** 2003

Advisor: William Gasarch

Perfect and PluPerfect Digital Invariants" (http://honors.cs.umd.edu/reports/NarcissisticNums)

115. **Michael Nelson** 2003

Advisor: Michael Hicks

Aspect-oriented Asynchrony in Java (http://honors.cs.umd.edu/reports/Nelson-honors-thesis.pdf)

116. **Charles (Chao) Song** 2003

Advisor: Ashok Agrawala

IEEE 802.11 DCF simulator with power saving mode (http://honors.cs.umd.edu/reports/falcon-research.pdf)

117. **Gilad Suberri** 2003

Advisor: Atif Memon

Automated Reverse Engineering of Graphical User Interfaces
(http://honors.cs.umd.edu/reports/GiladReport.pdf)

118. **David Thaw** 2003

Advisor: Ashok Agrawala

The Impact of Information and Computing Systems Monopoly on Democratic Processes in the United
States (http://honors.cs.umd.edu/reports/ThesisDavidThaw.pdf)

119. **Wendy Chou** 2003

Advisor: Larry Washington

Elliptic Curve Crypotography and Its Applications to Mobile Devices
(http://honors.cs.umd.edu/reports/ECCpaper.pdf)

120. **Leonid Velikovich** 2003

Advisor: Amitabh Varshney

Adapting the Lattice-Boltzmann Model for Efficient Airflow Modeling inside the View Frustum
(http://honors.cs.umd.edu/reports/Velikovich.htm)

121. **Steve Betten** 2002

Advisor: Ben Bederson

Viewing Changes: Monitoring with Treemaps

122. **Semion S. Bezrukov** 2002
Advisor: Clyde Kruskal
Methods for Multiplayer Gameworld Synchronization
(http://honors.cs.umd.edu/reports/Semion/MethodsXforXMultiplayerXGameWorldXSynchronization.doc)

123. **Amy Castner** 2002
Advisor: William Gasarch
Private Information Retrieval with 1 copy (http://honors.cs.umd.edu/reports/pir.ps)

124. **Roman Chertov** 2002
Advisor: Alan Sussman
Exposing DataCutter C++ library API to JAVA applications
(http://honors.cs.umd.edu/reports/rchertov.rtf)

125. **Jason Ernst** (High Honors) 2002
Advisor: VS Subrahmanian
Optimal Diagnostic Inference (http://honors.cs.umd.edu/reports/jernst/thesis.pdf)

126. **Chad Groft** 2002
Advisor: William Gasarch
Interactive and Zero-knowledge Proofs (http://honors.cs.umd.edu/reports/zk.ps)

127. **Srinivas Kashyap** (High Honors) 2002
Advisor: Samir Khuller
Algorithms for Data placement on disks (http://honors.cs.umd.edu/reports/raaghav-thesis.pdf)

128. **Sergey Koren** 2002
Advisor: Alan Sussman
DataCutter Framework Expansion (http://honors.cs.umd.edu/reports/DataCutter_and_Java.pdf)

129. **Lisa Pearl** (High Honors) 2002
Advisor: Bonnie Dorr
Divergences: Exploring One Rabbit Hole in Word-Level Alignment
(http://honors.cs.umd.edu/reports/divergence-thesis.ps)

130. **Svetlana Shargorodskaya** 2002
Advisor: Samir Khuller
Implementation of Data Migration Algorithms (http://honors.cs.umd.edu/reports/skaya.html)

131. **Konstantin Berlin** 2002
Advisor: Chau-Wen Tseng
UPC vs. MPI and OpenMP: Analysis of a Hybrid Approach to Parallel Programming
(http://honors.cs.umd.edu/reports/lcpc03.pdf)

132. **Liliya Kharevych** 2002
Advisor: David Mount
3D Physics Engine For Elastic and Deformable Bodies
(http://honors.cs.umd.edu/reports/kharevych.html)

133. **Eric Everstine** 2001
Advisor: William Gasarch
Partial Key Exposure Attacks on RSA (http://honors.cs.umd.edu/reports/lowexprsa.pdf)

134. **William Y. Jhun** 2001
Advisor: Ashok Agrawala
Techniques for Estimating Worse-Case Program Execution Times with Unexpected Hardware
Architecture Changes or Unknowns (http://honors.cs.umd.edu/reports/wjhun/wcet.ps)

135. **Andrey Khorlin** (High Honors) 2001
Advisor: Jeff Hollingsworth
High-performance computing (http://honors.cs.umd.edu/reports/Khorlin/index.html)

136. **Josh Neel** 2001
Advisor: Larry Washington
Cryptanalysis of Mobile Phone Cryptology (http://honors.cs.umd.edu/reports/cryptanalysis.doc)

137. **Noah Smith** (High Honors) 2001
Advisor: Philip Resnik
Detection of Translational Equivalence (http://honors.cs.umd.edu/reports/LAMP_071.ps)

138. **Peter James Schwartz** 2001
Advisor: Don Perlis
Irrational Beliefs: Truth Maintenance with Cognitive Dissonance
(http://honors.cs.umd.edu/reports/Schwartz/index.html)

139. **Ransom Winder** 2001
Advisor: David Mount
Kinetic PR Quadtree (http://honors.cs.umd.edu/reports/Ransom/index.htm)

140. **Adam Bartgeil** 2000
Advisor: William Gasarch

Knights and Knormals (http://honors.cs.umd.edu/reports/who.ps)

141. **Raghuveer Chalasani** 2000
Advisor: Ben Shneiderman
Exploring Treemaps: Design and Implementation of Treemap 2000 with Dynamic Queries
(http://honors.cs.umd.edu/reports/treemap2000/)

142. **John Jung** 2000
Advisor: Ben Shneiderman
Empirical Comparison of Four Accelerators for Direct Annotation of Photos
(http://honors.cs.umd.edu/reports/john_jung.doc)

143. **Kevin Kane** 2000
Advisor: William Gasarch
Constructive Proofs in Ramsey Theory (http://honors.cs.umd.edu/reports/ramseycycles.ps)

144. **Aleksey Martynov** 2000
Advisor: David Mount
A Ray Tracing Algorithm for Sphere Rendering
(http://honors.cs.umd.edu/reports/AMartynov/4D_RayTracer.htm)

145. **An Zhu** (High Honors) 1999
Advisor: Samir Khuller
A Uniform Framework for Approximating Weighted Connectivity Problems
(http://honors.cs.umd.edu/reports/anzhu.ps)

146. **Annapurna Valluri** 1998
Advisor: Christos Faloutsos
Database (http://honors.cs.umd.edu/reports/valluri.pdf)

147. **Roman Shapiro** 1998
Advisor: Clyde Kruskal
Apportionment of Representatives in the United States Congress House of Representatives and
avoiding the 'Alabama Paradox' (http://honors.cs.umd.edu/reports/shapiro.pdf)

148. **Terri Paik** 1998
Advisor: Bonnie Dorr
Korean/English Machine Translation: Semantics and Morphology
(http://honors.cs.umd.edu/reports/paik.txt)

149. **Landon Davies** 1998
Computational Finance

150. **Philip Su** 1998

   Advisor: John Gannon

   JAVA Operating System: VenusOS

151. **Payam Fard** 1998

   Advisor: Clyde Kruskal

   Apportionment schemes for voting (http://honors.cs.umd.edu/reports/fard.pdf)

152. **Kareem S Aggour** 1998

   Advisor: Michelle Hugue

   Security

153. **Maria Jump** 1998

   Advisor: David Mount

   Design and Implementation of an Interactive Ray Tracer

   (http://honors.cs.umd.edu/reports/MJump/index.html)

154. **Amy Yuan** 1998

   Advisor: David Mount

   Image Flaw Removal (http://honors.cs.umd.edu/reports/AYuan/index.html)

155. **Gil Carmel** 1997

   Advisor: William Gasarch

   Learning Richman Games on Neural Networks Using Temporal Difference Learning

   (http://honors.cs.umd.edu/reports/carmel.ps)

156. **Rajarshi Gupta** 1997

   Advisors: Prakash Narayan, Armand Makowski

   Local Area Switching Networks

157. **Charlie Hohn** 1997

   Advisor: Jim Hendler

   Simulating Robots

158. **Greg Seidman** 1997

   Advisor: David Mount

   Human interface

159. **April Simmons** 1997

   Computer Science

160. **Jun S Yang** 1997

     Advisor: Bonnie Dorr

     Korean/English Translation (http://honors.cs.umd.edu/reports/Jun_S_Yang.txt)

161. **Tariq Magdon-Ismail** 1997

     Advisor: Samir Khuller

     Vehicle Routing

162. **Suresh Aryangat** 1997

     Advisor: Alex Dragt

     Symbolic computation

163. **Do-Jun Byun** 1996

     Advisor: John Gannon

     Code Optimization

164. **Robert Ross** 1996

     Advisor: VS Subrahmanian

     Database

165. **Michael Steele** 1996

     Advisor: Jeff Hollingsworth

     Grindstone: A Test Suite for Parallel Performance Tools
     (http://honors.cs.umd.edu/reports/grindstone.pdf)

166. **Jeffrey Squires** 1996

     Advisor: Larry Davis

     Restoration of videos

167. **Vanessa Heppolette** 1996

     Advisor: Jeff Hollingsworth

     Device Driver optimization

168. **Sze Yuen Wong** 1996

     Advisor: Dana Nau

     Process Planning

169. **Assaf Mendelson** 1995

     Advisor: Joel Saltz

     Medical applications

170. **Ellen Paik** 1995
    Advisor: Menapolis
    Signature files

171. **Marat Fayzullin** 1995
    Advisor: James Purtilo
    Remote I/O libraries

172. **Jason Ellis** 1995
    Advisor: Clyde Kruskal
    Heap Sort and its variants

173. **Chi Tran** 1995
    Advisor: William Gasarch
    Heap Sort and its variants

174. **Vimarsh Bakaya** 1995
    Advisor: Samir Khuller
    Graph Drawing Tools

175. **Heung-Man Lam** 1995
    Advisor: Larry Davis
    Face recognition algorithms

176. **Mema Roussopoulos** 1995
    Advisor: Larry Davis
    Segmenting Video's

177. **Gaurav Bhatia** 1995
    Computer Science

178. **Edward Shnekendorf** 1995
    Computer Science

179. **Oliver Seeliger** 1994
    Advisor: Samir Khuller
    Scheduling- TA assignments

180. **Nirupama Chandrasekaran** 1994
    Advisor: Dana Nau
    AI and Manufactoring

181. **Lev Novik** 1994
Advisor: Jack Minker
Logic Programming and Prolog

182. **Yew Kung** 1994
Advisor: Dana Nau
AI and Manufactoring- Solid Modelling

183. **Salim Chawro.** 1994
Advisor: David Mount
Data Structures and Algorithms

184. **Heather Hill** 1994
Computer Science

185. **Kirk Dunsavage** 1993
Advisor: James Purtilo
Software Engineering

186. **Bernard Chan** 1993
Advisor: Bill Pugh
Program analysis

187. **Scott Walker** 1993
Advisor: James Purtilo
Distributed Processes

188. **Sergey Brin** 1993
Logic Programming

189. **Carolyn Stanoyevitch** 1992
Advisor: Jou
Database

190. **Steve Jones** 1992
Advisor: James Reggia
Neural Networks

191. **David Herbert** 1992
Neural Networks

192. **Charles Falkenberg** 1992
Advisor: James Purtilo
Spatial Modeling

193. **Samuel Lamphier** 1992
Advisor: John Gannon
Testing

194. **Daniel Levine** 1992
Advisor: Dana Nau
Search Algorithms

195. **Eugene Schwatzman** 1991
Advisor: Jim Hendler
Planning

196. **Frank John Andrasco** 1991
Advisor: Christos Faloutsos
Database

197. **Pedga Bogdanovich** 1990
Advisor: Hanan Samet
Graphics

198. **Heide Yost** 1990
Advisor: James Purtilo
Interface Type Checking

199. **Hillel Steinberg** 1990
Advisor: Ken Salem
System

200. **Andrew Pach** 1989
Advisor: Timoleon Sellis
Database

201. **Joanne D'Souza** 1989
Advisor: William Atchison
Computers in Medical Diagnotics

202. **David Hobbs** 1988
Advisor: Ben Shneiderman

Automatic Spell Correction

203. **Barry Reich** 1988
Advisor: Gary Knott
Graphics

204. **Mallku G. Caballro** 1987
Advisor: Pankaj Jalote
Automatic Test Case Generation

205. **Kathy Kershaw** 1987
Advisor: Gary Knott
Graphics