CURRICULUM VITAE

@First @Middle @Last

Computer Science

@FromDate – @ToDate

---

14 MacLean Hall
The University of Iowa
Iowa City, Iowa 52242

phone: (319) 335-XXXX
email: XXXX@uiowa.edu
web: http://www.cs.uiowa.edu/~XXXX

EDUCATION AND PROFESSIONAL HISTORY

Post Graduate Education

@Year – @Year	**@LevelOrPosition**, @FieldOfStudy, @Institution
	Mentor(s): @Mentors
@Year – @Year	**@LevelOrPosition**, @FieldOfStudy, @Institution
	Mentor(s): @Mentors

Higher Education

@Year	**Phd**, @FieldOfStudyOrMajor, @HonorsAndDistinctions, @Institution
	Thesis: @Title
@Year	**M.S.**, @FieldOfStudyOrMajor, @HonorsAndDistinctions, @Institution
	Thesis: @Title
@Year	**BS**, @FieldOfStudyOrMajor, @HonorsAndDistinctions, @Institution
	Thesis: @Title

Professional and Academic Positions

@Year – present	**@PositionOrTitleOrRank**, Department of Computer Science, The University of Iowa[. @Annotation]
@Year – @Year	**@PositionOrTitleOrRank**, @DepartmentIfAny, @InstitutionOrOrganization[. @Annotation]
@Year – @Year	**@PositionOrTitleOrRank**, @DepartmentIfAny, @InstitutionOrOrganization[. @Annotation]

Licensures and Certifications

@Year **@TitleOfLicensureOrCertification**, @SponsoringOrganization[. @Annotation]

@Year **@TitleOfLicensureOrCertification**, @SponsoringOrganization[. @Annotation]

Honors and Awards

@Year – @Year **@AwardOrHonorName**, @OrganizationOrSponsor[. @Annotation]

@Year **@AwardOrHonorName**, @OrganizationOrSponsor[. @Annotation]

Memberships

@Year – present @OrganizationName

@Year – @Year @OrganizationName

TEACHING

Courses Taught at the University of Iowa

Term	Course #	Title	Ten-day Enroll.	Final Enroll.
@Sem @Year	@Prefix:@Number:@Section	@CourseName	@Number	@Number
@Sem @Year	@Prefix:@Number:@Section	@CourseName	@Number	@Number

Additional Courses Taught (not on MAUI)

Term	Course #	Title	Ten-day Enroll.	Final Enroll.
@Sem @Year	@Prefix:@Number:@Section	@CourseName	@Number	@Number
@Sem @Year	@Prefix:@Number:@Section	@CourseName	@Number	@Number

Innovations in Teaching

Design & Implementation of New Courses

@Month @Year – @Month @Year **@Title**[, @Annotation]

@Month @Year – @Month @Year **@Title**[, @Annotation]

Extramural Teaching Activities

@Month @Year – @Month @Year **@Title**[, @Annotation]

@Month @Year – @Month @Year **@Title**[, @Annotation]

Intramural Teaching Activities

@Month @Year – @Month @Year	**@Title**[, @Annotation]
@Month @Year – @Month @Year	**@Title**[, @Annotation]

Revisions in Existing Courses

@Month @Year – @Month @Year	**@Title**[, @Annotation]
@Month @Year – @Month @Year	**@Title**[, @Annotation]

@TypeOfContribution

@Month @Year – @Month @Year	**@Title**[, @Annotation]
@Month @Year – @Month @Year	**@Title**[, @Annotation]

Student Mentoring Summary

@Term @Year – @Term @Year	@MentoringTypeOrExplanation, @Role, # Students: @NoOfStudents[, @Annotation]
@Term @Year – @Term @Year	@MentoringTypeOrExplanation, @Role, # Students: @NoOfStudents[, @Annotation]

Student Mentoring

MCS — Advisor

@Month @Year – @Month @Year	**@Title**, @LastName, @FirstName; @StageOfDegreeCompletion[, @Annotation]
@Month @Year – @Month @Year	**@Title**, @LastName, @FirstName; @StageOfDegreeCompletion[, @Annotation]

PhD — Advisor

@Month @Year – @Month @Year	**@Title**, @LastName, @FirstName; @StageOfDegreeCompletion[, @Annotation]
@Month @Year – @Month @Year	**@Title**, @LastName, @FirstName; @StageOfDegreeCompletion[, @Annotation]

PhD — Committee Chair

@Month @Year – @Month @Year	**@Title**, @LastName, @FirstName; @StageOfDegreeCompletion[, @Annotation]
@Month @Year – @Month @Year	**@Title**, @LastName, @FirstName; @StageOfDegreeCompletion[, @Annotation]

PhD — Committee Member

@Month @Year – @Month @Year	**@Title**, @LastName, @FirstName; @StageOfDegreeCompletion[, @Annotation]
@Month @Year – @Month @Year	**@Title**, @LastName, @FirstName; @StageOfDegreeCompletion[, @Annotation]

@DegreeObjective — @InvolvementType

@Month @Year – @Month @Year	**@Title**, @LastName, @FirstName; @StageOfDegreeCompletion[, @Annotation]
@Month @Year – @Month @Year	**@Title**, @LastName, @FirstName; @StageOfDegreeCompletion[, @Annotation]

Professional Mentoring

Postdoctoral Researcher

@Month @Year – @Month @Year	@LastName, @FirstName; @ProgramName, @Department, @Institution, @MentoringActivityDescription
@Month @Year – @Month @Year	@LastName, @FirstName; @ProgramName, @Department, @Institution, @MentoringActivityDescription
@Month @Year – @Month @Year	@LastName, @FirstName; @ProgramName, @Department, @Institution, @MentoringActivityDescription

Research Scientist

@Month @Year – @Month @Year	@LastName, @FirstName; @ProgramName, @Department, @Institution, @MentoringActivityDescription
@Month @Year – @Month @Year	@LastName, @FirstName; @ProgramName, @Department, @Institution, @MentoringActivityDescription

Assistant Professor

@Month @Year – @Month @Year	@LastName, @FirstName; @ProgramName, @Department, @Institution, @MentoringActivityDescription
@Month @Year – @Month @Year	@LastName, @FirstName; @ProgramName, @Department, @Institution, @MentoringActivityDescription

@MenteeLevel

@Month @Year – @Month @Year	@LastName, @FirstName; @ProgramName, @Department, @Institution, @MentoringActivityDescription
@Month @Year – @Month @Year	@LastName, @FirstName; @ProgramName, @Department, @Institution, @MentoringActivityDescription

SCHOLARSHIP

CLAS * System:	* = major contribution	*** = equal contribution
	** = secondary contribution	**** = minor contribution

Publications

Refereed Articles

[0] *** A. Reynolds, H. Barbosa, D. Larraz, and C. Tinelli, "Scalable algorithms for abduction via enumerative syntax-guided synthesis," in *Automated Reasoning - 10th International Joint Conference, IJCAR 2020, Paris, France, July 1-4, 2020, Proceedings, Part I*, N. Peltier and V. Sofronie-Stokkermans, Eds., ser. Lecture Notes in Computer Science, vol. 12166, Springer, 2020, pp. 141–160. DOI: 10.1007/978-3-030-51074-9_9.

[0] *** M. Brain, A. Niemetz, M. Preiner, A. Reynolds, C. W. Barrett, and C. Tinelli, "Invertibility conditions for floating-point formulas," in *Proceedings of the 31st International Conference on Computer Aided Verification (CAV 2019)*, I. Dillig and S. Tasiran, Eds., ser. Lecture Notes in Computer Science, vol. 11562, Springer, 2019, pp. 116–136. DOI: 10.1007/978-3-030-25543-5_8.

[0] *** K. Bansal, C. Barrett, A. Reynolds, and C. Tinelli, "Reasoning with finite sets and cardinality constraints in SMT," *Logical Methods in Computer Science*, vol. 14, no. 4, 2018. DOI: 10.23638/LMCS-14(4:12)2018.

[0] *** T. Liang, A. Reynolds, N. Tsiskaridze, C. Tinelli, C. Barrett, and M. Deters, "Constraint solving for finite model finding in SMT solvers," *Theory and Practice of Logic Programming*, vol. 17, no. 4, pp. 516–558, Jul. 2017, (Invited submission).

Non-Refereed Articles

[0] *** A. Biere, C. Tinelli, and C. Weidenbach, "Preface to the special issue on automated reasoning systems," *J. Autom. Reason.*, vol. 64, no. 3, pp. 361–362, 2020. DOI: 10.1007/s10817-019-09531-1.

[0] *** J. H. Davenport, M. England, A. Griggio, T. Sturm, and C. Tinelli, "Symbolic computation and satisfiability checking," *J. Symb. Comput.*, vol. 100, pp. 1–10, 2020. DOI: 10.1016/j.jsc.2019.07.017.

[0] *** J. C. Blanchette, C. Fuhs, V. Sofronie-Stokkermans, and C. Tinelli, "Deduction beyond first-order logic (Dagstuhl Seminar 17371)," *Dagstuhl Reports*, vol. 7, no. 9, pp. 26–46, 2017. DOI: 10.4230/DagRep.7.9.26.

Books

[0] *** M. Abramowitz and I. A. Stegun, *Handbook of Mathematical Functions with Formulas, Graphs, and Mathematical Tables*, ninth Dover printing, tenth GPO printing. New York City: Dover, 1964.

Edited Volumes

[0] *** C. Baier and C. Tinelli, Eds., *Tools and Algorithms for the Construction and Analysis of Systems - 21st International Conference, TACAS 2015, Held as Part of the European Joint Conferences on Theory and Practice of Software, ETAPS 2015, London, UK, April 11-18, 2015. Proceedings*, vol. 9035, Lecture Notes in Computer Science, Springer, 2015, ISBN: 978-3-662-46680-3. DOI: 10.1007/978-3-662-46681-0.

[0] *** C. Tinelli and V. Sofronie-Stokkermans, Eds., *Frontiers of Combining Systems, 8th International Symposium, FroCoS 2011, Saarbrücken, Germany, October 5-7, 2011. Proceedings*, vol. 6989, Lecture Notes in Computer Science, Springer, 2011, ISBN: 978-3-642-24363-9. DOI: 10.1007/978-3-642-24364-6.

Refereed Book Chapters

[0] *** C. W. Barrett and C. Tinelli, "Satisfiability modulo theories," in *Handbook of Model Checking*, E. M. Clarke, T. A. Henzinger, H. Veith, and R. Bloem, Eds., (Invited contribution), Springer, 2018, pp. 305–343. DOI: 10.1007/978-3-319-10575-8_11.

Book Chapters

[0] *** C. Lutz, U. Sattler, C. Tinelli, A. Turhan, and F. Wolter, "A tour of Franz Baader's contributions to knowledge representation and automated deduction," in *Description Logic, Theory Combination, and All That - Essays Dedicated to Franz Baader on the Occasion of His 60th Birthday*, ser. Lecture Notes in Computer Science, C. Lutz, U. Sattler, C. Tinelli, A. Turhan, and F. Wolter, Eds., vol. 11560, Springer, 2019, pp. 1–14. DOI: 10.1007/978-3-030-22102-7_1.

[0] *** C. W. Barrett, R. Sebastiani, S. A. Seshia, and C. Tinelli, "Satisfiability modulo theories," in *Handbook of Satisfiability*, ser. Frontiers in Artificial Intelligence and Applications, A. Biere, M. Heule, H. van Maaren, and T. Walsh, Eds., vol. 185, (Invited contribution), IOS Press, 2009, pp. 825–885. DOI: 10.3233/978-1-58603-929-5-825.

Electronic Publications

[0] **** M. Mann, A. Wilson, C. Tinelli, and C. W. Barrett, "Smt-switch: A solver-agnostic C++ API for SMT solving," *CoRR*, vol. abs/2007.01374, 2020. arXiv: 2007.01374. [Online]. Available: https://arxiv.org/abs/2007.01374.

[0] *** A. Stump, G. Sutcliffe, and C. Tinelli, Eds., *Workshop on Evaluation Methods for Solvers, and Quality Metrics for Solutions, EMSQMS 2010, Edinburgh, UK, July 20, 2010*, vol. 6, EPiC Series in Computing, EasyChair, 2012. [Online]. Available: https://easychair.org/publications/volume/EMSQMS_2010.

Technical Reports

[0] *** T. Liang, N. Tsiskaridze, A. Reynolds, C. Tinelli, and C. Barrett, "A decision procedure for regular membership and length constraints over unbounded strings," Department of Computer Science, University of Iowa, Tech. Rep., 2015. [Online]. Available: https://homepage.cs.uiowa.edu/~tinelli/papers/LiaEtAl-RR-15.pdf.

[0] *** P. Baumgartner and C. Tinelli, "Model evolution with equality modulo built-in theories," NICTA, Tech. Rep., 2011. [Online]. Available: https://homepage.cs.uiowa.edu/~tinelli/papers/BauTin-RR-11.pdf.

Abstracts

[0] * C. Tinelli, *This is an abstract abstract*, 2020.

Reviews

[0] * C. Tinelli, *Review of "This is an abstract abstract"*, 2020.

@OtherContributionType [as above]

Performances and Exhibits

@Month @Year @Title — @Role. Event held at @Venue @City, @State. Sponsored by @Sponsor. Commissioned by @Agency. In collaboration with @CollaboratorList. Further details at @WebAddress

@Month @Year @Title — @Role. Event held at @Venue @City, @State. Sponsored by @Sponsor. Commissioned by @Agency. In collaboration with @CollaboratorList. Further details at @WebAddress

Inventions and Patents

1. @InventorList. @Number, @Title. @Annotation
2. @InventorList. @Number, @Title. @Annotation

Software

@Year – @Year @SoftwareName, @BriefDescription, @URL

@Year – @Year @SoftwareName, @BriefDescription, @URL

Areas of Research Interest

@Area

@Area

@Area

Grants and Contracts

Submitted

@From – @To *@Title @ContractOrGrantNumber*
Funded by @AwardingOrganization. Award amount: ($@TotalAmountAwarded) Percent effort: PercentOfEffortOrNumberOfMonths. Investigator(s) @InvestigatorAndRoleList. Iowa portion: $@AmountAwardedToIowa.

@From – @To *@Title @ContractOrGrantNumber*
Funded by @AwardingOrganization. Award amount: ($@TotalAmountAwarded) Percent effort: PercentOfEffortOrNumberOfMonths. Investigator(s) @InvestigatorAndRoleList. Iowa portion: $@AmountAwardedToIowa.

Current

@From – @To   *@Title @ContractOrGrantNumber*
Funded by @AwardingOrganization. Award amount: ($@TotalAmountAwarded) Percent effort: PercentOfEffortOrNumberOfMonths. Investigator(s) @InvestigatorAndRoleList. Iowa portion: $@AmountAwardedToIowa.

@From – @To   *@Title @ContractOrGrantNumber*
Funded by @AwardingOrganization. Award amount: ($@TotalAmountAwarded) Percent effort: PercentOfEffortOrNumberOfMonths. Investigator(s) @InvestigatorAndRoleList. Iowa portion: $@AmountAwardedToIowa.

Completed

@From – @To   *@Title @ContractOrGrantNumber*
Funded by @AwardingOrganization. Award amount: ($@TotalAmountAwarded) Percent effort: PercentOfEffortOrNumberOfMonths. Investigator(s) @InvestigatorAndRoleList. Iowa portion: $@AmountAwardedToIowa.

@From – @To   *@Title @ContractOrGrantNumber*
Funded by @AwardingOrganization. Award amount: ($@TotalAmountAwarded) Percent effort: PercentOfEffortOrNumberOfMonths. Investigator(s) @InvestigatorAndRoleList. Iowa portion: $@AmountAwardedToIowa.

Unfunded

@SubmisDate   *@Title @ContractOrGrantNumber*
Submitted to @AwardingOrganization. Award amount: ($@TotalAmountAwarded) Percent effort: PercentOfEffortOrNumberOfMonths. Investigator(s) @InvestigatorAndRoleList. Iowa portion: $@AmountAwardedToIowa.

@SubmisDate   *@Title @ContractOrGrantNumber*
Submitted to @AwardingOrganization. Award amount: ($@TotalAmountAwarded) Percent effort: PercentOfEffortOrNumberOfMonths. Investigator(s) @InvestigatorAndRoleList. Iowa portion: $@AmountAwardedToIowa.

Invited Lectures and Conference Presentations

National — Colloquia

@Month @Year   [@ConferenceOrMeetingName,] *@PresentationTitle*, [@HostingOrg,] @City, @State

@Month @Year   [@ConferenceOrMeetingName,] *@PresentationTitle*, [@HostingOrg,] @City, @State

National — Invited Lectures

@Month @Year   [@ConferenceOrMeetingName,] *@PresentationTitle*, [@HostingOrg,] @City, @State

@Month @Year   [@ConferenceOrMeetingName,] *@PresentationTitle*, [@HostingOrg,] @City, @State

National — Conference Presentations

@Month @Year	@ConferenceName, *@PresentationTitle*, @City, [@State,] @Country. Presenters/Authors: @AuthorList. Student Presenters/Authors: @AuthorList.
@Month @Year	@ConferenceName, *@PresentationTitle*, @City, [@State,] @Country. Presenters/Authors: @AuthorList. Student Presenters/Authors: @AuthorList.

International — Keynote Talks

@Month @Year	[@ConferenceOrMeetingName,] *@PresentationTitle*, [@HostingOrg,] @City, @State
@Month @Year	[@ConferenceOrMeetingName,] *@PresentationTitle*, [@HostingOrg,] @City, @State

International — Invited Talks

@Month @Year	[@ConferenceOrMeetingName,] *@PresentationTitle*, [@HostingOrg,] @City, @State
@Month @Year	[@ConferenceOrMeetingName,] *@PresentationTitle*, [@HostingOrg,] @City, @State

International — Invited Lectures and Tutorials

@Month @Year	[@ConferenceOrMeetingName,] *@PresentationTitle*, [@HostingOrg,] @City, @State
@Month @Year	[@ConferenceOrMeetingName,] *@PresentationTitle*, [@HostingOrg,] @City, @State

@Scope — @PresentationType

@Month @Year	[@ConferenceOrMeetingName,] *@PresentationTitle*, [@HostingOrg,] @City[, @State] [, @Country]
@Month @Year	[@ConferenceOrMeetingName,] *@PresentationTitle*, [@HostingOrg,] @City[, @State] [, @Country]

SERVICE

Profession

Editor-in-chief

@Year – @Year	@PublicationName[, @Annotation]
@Year – @Year	@PublicationName[, @Annotation]

Associate Editor

@Year – @Year	@PublicationName[, @Annotation]
@Year – @Year	@PublicationName[, @Annotation]

Trustee

@Year – @Year	@OrganizationName[, @Annotation]
@Year – @Year	@OrganizationName[, @Annotation]

Steering Committee Member

@Year – @Year   @OrganizationName[, @Annotation]

@Year – @Year   @OrganizationName[, @Annotation]

Coordinator

@Year – @Year   @OrganizationName[, @Annotation]

@Year – @Year   @OrganizationName[, @Annotation]

Program Committee Chair

@Year   @OrganizationName[, @Annotation]

@Year   @OrganizationName[, @Annotation]

Program Committee Member

@Year   @OrganizationName[, @Annotation]

@Year   @OrganizationName[, @Annotation]

Co-organizer

@Year   @OrganizationName[, @Annotation]

@Year   @OrganizationName[, @Annotation]

Research Proposal Reviewer

@Year   @OrganizationName[, @Annotation]

@Year   @OrganizationName[, @Annotation]

Journal Reviewer

@Year   @OrganizationName[, @Annotation]

@Year   @OrganizationName[, @Annotation]

Conference/Workshop Reviewer

@Year   @OrganizationName[, @Annotation]

@Year   @OrganizationName[, @Annotation]

Other

@Year   @OrganizationName[, @Annotation]

@Year   @OrganizationName[, @Annotation]

Department

@Year – @Year   @CommitteeName[, @RoleOrExplanation][, @InstitutionIfNotIowa][, @Annotation]

@Year – @Year   @CommitteeName[, @RoleOrExplanation][, @InstitutionIfNotIowa][, @Annotation]

College

| @Year – @Year | @CommitteeName[, @RoleOrExplanation][, @InstitutionIfNotIowa][, @Annotation] |
| @Year – @Year | @CommitteeName[, @RoleOrExplanation][, @InstitutionIfNotIowa][, @Annotation] |

University

| @Year – @Year | @CommitteeName[, @RoleOrExplanation][, @InstitutionIfNotIowa][, @Annotation] |
| @Year – @Year | @CommitteeName[, @RoleOrExplanation][, @InstitutionIfNotIowa][, @Annotation] |

Community

| @Year – @Year | @OrgName, @CommitteeName[, @RoleOrExplanation][, @Annotation] |
| @Year – @Year | @OrgName, @CommitteeName[, @RoleOrExplanation][, @Annotation] |

Industry

| @Year – @Year | @CompanyName, @RoleOrExplanation[, @Annotation] |
| @Year – @Year | @CompanyName, @RoleOrExplanation[, @Annotation] |

@OtherScope

| @Year – @Year | @OrgName, @CommitteeName[, @RoleOrExplanation][, @Annotation] |
| @Year – @Year | @OrgName, @CommitteeName[, @RoleOrExplanation][, @Annotation] |

Media Contributions

| @Year | @MediaType, @MediaName, @ScopeOfDistribution[, @Annotation] |
| @Year | @MediaType, @MediaName, @ScopeOfDistribution[, @Annotation] |

Professional Development Activities

| @Year – @Year | ActivityTypeOrExplanation, @Title, @SponsoringOrg[, @Annotation] |
| @Year – @Year | ActivityTypeOrExplanation, @Title, @SponsoringOrg[, @Annotation] |