**First Last Name**

Phone number | [email@gmail.com](mailto:email@gmail.com) | LinkedIn/ResearchGate/Orchid

**EDUCATION**

**Postdoctoral Research Associate**, Acoustics Engineering **Spring 2018- Expected May 2019**

Iowa State University (ISU), Ames, IA

Major Professor: Dr. XXXXXXX

**Ph.D. in Electrical Engineering**, Iowa State University (ISU), Ames, IA **2015-2018**

Major: Engineering (GPA: 4.0/4.0)

Minor: Materials Science and Engineering

Dissertation: “Title”

Major Professor: Dr. Name, Department of \_\_\_\_\_\_\_\_\_\_

**M.Sc. in Engineering**, University of Massachusetts (UM), Amherst, MA **2012-2014**

Major: \_XXX\_ l Engineering and Mechanics (GPA: 4.0/4.0)

Thesis: “Title”

Major Professor: Dr. xxxx

**B.Sc. in Civil Engineering,** University of XXXX, City, Country **2007-2011**

Major: Civil Engineering

**RESEARCH FOCUS**

Two-line description

**RESEARCH EXPERIENCES**

**Acoustics Engineer Postdoc,**

**Institute for Xxxxxxx (IXX), ISU, Ames, IA** **Spring 2016 - Present**

* Generating full-scale, three-dimensional finite element XYZ using (what)
* Conducting field inspection and instrumentation of 15 case-studies XYZ in the state of Iowa
* Evaluating advanced materials for robot repair & retrofit through laboratory experiments
* Investigating novel structural details for the design of atom structures using ABC methods
* Developing easy-to-follow technical briefs and detailed guidelines for implementation of new materials and unique structural features in building design & retrofit

**Graduate Research Assistant / Structural Engineering** **Spring 2015 - Fall 2017**

Department of Electrical Engineering, Iowa State University, Ames, IA

* Characterized XXX origins of failure in hydrated cement paste (HCP) phases
* Developed full assays and (spell out acronym) of HCP phases
* Constructed ­­­­15 cement blocks and aqueous solutions containing sulfur
* Investigated \_\_\_\_\_\_\_\_\_\_\_\_\_ processes underlying \_\_\_\_\_\_\_\_\_\_\_\_\_\_ in buildings
* Evaluated \_\_\_\_\_\_\_\_\_\_ capacity of HCP phases
* Identified the phases that control the \_\_\_\_\_\_\_\_\_\_\_\_\_\_ reactions during chloride attack

**Graduate Research Assistant / Engineering Fall 2012 - Fall 2014**

University of Massachusetts, City, State

* Generated atomic-level structure of \_\_\_\_\_ (HCP) phases
* Characterized the \_\_\_\_\_ properties of HCP phases
* Up-scaled the elastic properties using methods of micromechanics of porous media

**TEACHING EXPERIENCES**

**Teaching Assistant / Engineering Department Spring 2015 - Present**

Iowa State University, Ames, IA

* *Instructor of record* “EE XXX: Xxxxxxx,” ~50 undergraduate students (Fall 2018, 2017)
* Prepared lectures and class activities focusing on the analysis of determinate structures
* Recognized as Excellent Instructor – 2017

**WORK EXPERIENCE**

**Bridge Engineer Intern** (International Exchange Program)  **Summer 2010**

XXXX Structural Engineering Consultant Company, City, Country

* Reduced project cost by 25% over 3 years
* Contributed to technical drawing, damage identification, and documentation
* Involved in bridge analysis and design conducted based on \_\_\_\_\_ under the supervision of the company engineers

**TECHNICAL SKILLS**

* **Online Platforms**
  + Zoom, Canvas, Blackboard
* **Programming Languages and Mathematical Packages**
* MATLAB, Mathematica, Fortran90
* **Computer-Aided Design/Engineering Packages**
* LAMMPS, Materials Studio, ABAQUS CAE, ANSYS, SAP2000, AutoCAD

**PUBLICATIONS**

**Journal Articles (Total: 12)**

1. XXX, X., **LAST, F.**, and XXX, A. “Title”, (in preparation, to be submitted to ASCE Journal of Bridge Engineering).
2. **Last, F.**, and XXX, B. “Title,” (in preparation, to be submitted to International Journal of Heat and Mass Transfer).

**Conference Proceedings (Total: 3)**

1. XXX, X., **LAST, F.**, and XXX, A. (**2018**). “Title,” Transportation Research Board (TRB) 97th Annual Meeting, No. 18-03977, Washington, DC, January 7-11.
2. XXX, X., **LAST, F.**, and XXX, A. (**2017**). “Title,” Transportation Research Board (TRB) 96th
3. Computational Modeling of Concrete Structures (Euro-C), Vol. 1, pp. 299-306, St. Anton am Arlberg, Austria, March 24-27.

**CONFERENCE PRESENTATIONS**

**Oral Presentations** **(Total: 1)**

1. XXX, X., **LAST, F.**, and XXX, A. (**2017**). “Title,” oral presentation at Western Bridge Engineers’ Seminar (WBES), Portland, OR, September 6-8.

**Poster Presentations (Total: 1)**

1. Khatami, D., **Hajilar, S.**, and Shafei, B. (**2018**). “Condition assessment of reinforced concrete structures in harsh environments: A cellular automaton framework,” poster presentation at the Transportation Research Board (TRB) 97th Annual Meeting, Washington, DC, January 8.

**Webinar Presentation (Total: 1**)

1. Shafei, B., Dopko, M., and **Hajilar, S.** (**2018**). “Material Design and Structural Configuration of Link Slabs for ABC Applications,” webinar presentation for ABC-UTC’s Quarterly Research Seminar, January 26.

**INVITED TALK**

1. Center for Infrastructure Engineering Studies, **Missouri University of Science and Technology**, Rolla, MO (April, 2nd 2018).

Title of Talk: Title.

**GRANTS**

1. **Grants: Unfunded**
2. Project Title: “Title” Summer 2018

Sponsor: Iowa Department of XXXX (Research and Analytics)

Funding Awarded: **$50,000**

Primary Investigators: Last, First and Last, F

Role: **Content Contributor** - Contributed to idea development, drafting, and editing the project proposal; Working on the project as an investigator.

**HONORS & AWARDS**

**Selected as Featured Speaker**, ABC-TV's Quarterly Research Seminar (January 2018)

(Media Coverage: **Third Best Poster Presentation Award**, 5th Annual CCEE Graduate Student

**TRAVEL GRANTS**

**Graduate Student Travel Grant** for “XXXXX Research Board (TRB) 96th Annual Meeting”, by “Center for XXX Environmental Research, University of Iowa, Iowa City, IA.” $1,000 (January 2017)

**SERVICES & LEADERSHIPS**

**Professional Services**

**Reviewer for Scholarly Journals**

ACS Applied Materials & Interfaces  **2017 - Present**

**Institutional Services**

**Job Raising Coordinator, 2010 - 2011**

The International Association for the Exchange of Students for Technical Experiences (IAESTE),

University of XX, Country

**ISU Vice President of International Students’ and Scholars’ Association (ISSO)**

Iowa State University of Science and Technology, Ames, IA

* Mentored incoming international students with information and procedures
* Supervised monthly meetings and goals for the association of 150 student/scholar members

**Community Leadership**

Ames Food Bank Volunteer **2015 – 2016**

**PROFESSIONAL MEMBERSHIPS**

* Member of American Society of Civil Engineers (ASCE) **2014 - present**

**LANGUAGES**

English – Proficient Reading, writing and Speak

French – Native

**REFERENCES**

**Dr. XXX, Professor of XXX**

Department of XXXX

University of XX, Ames, IA 50111

(515)XXX-XXXX; emai@iastate.edu

*List at least 3-5 references*