Samuel Sledzieski

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EDUCATION

University of Connecticut, Storrs, CT

- B.S. in Computer Science — Aug 2015 – May 2019
  - Focus: Bioinformatics, Data Science
  - Adviser: Dr. Mukul Bansal
  - Cumulative GPA: 3.90 / 4.00
  - Honors Scholar
- Minor in Molecular and Cellular Biology

RESEARCH EXPERIENCE

Computational Biology Lab, University of Connecticut, Storrs, CT

- Undergraduate Research Assistant — Jan 2016 – Present
  - Project: Phylogenetic Error Correction for Viral Transmission Inference
  - Supervisors: Dr. Mukul Bansal and Dr. Ion Mandoiu

Nelson Lab, University of Connecticut, Storrs, CT

- Undergraduate Research Assistant — Oct 2015 – Dec 2016
  - Developed proficiency in modern biology techniques
  - Focus: Embryonic stem cell development
  - Supervisor: Dr. Jason Gibson

TEACHING EXPERIENCE

University of Connecticut, Storrs, CT

- Teaching Assistant, Theory of Computation — Spring 2018
  - Held office hours to assist with instruction of 70 students
  - Graded homework assignment and exams

PUBLICATIONS

[1] **Samuel Sledzieski** and Mukul Bansal, "TreeFix-VP: Phylogenetic Error Correction for Accurate Reconstruction of Viral Transmission Networks," *BMC Bioinformatics*, Special Issue for ICCABS 2018, Nov 2018.

INVITED TALKS

ICCABS Workshop on Computational Advances for Next Generation Sequencing

- "Phylogenetic Error Correction for Accurate Reconstruction of Viral Transmission Networks" — Oct 2018

University of Connecticut Bioinformatics Seminar

- "TreeFix-VP: Phylogenetic Error Correction" — Mar 2018, Oct 2018

AWARDS & SCHOLARSHIPS

- Dean's List, College of Liberal Arts and Sciences, School of Engineering — 2015 – 2018
- Academic Excellence Scholarship, University of Connecticut — 2015 – 2019
- Third Place Machine Learning, United Health Group Global Hackathon — Jun 2017
- Third Place Overall, HampHack — Apr 2017
- Third Place Overall, HackUConn — Mar 2017
- New England Scholar, University of Connecticut — Mar 2017

MEMBERSHIPS & ACTIVITIES

- Institute of Electronics Engineers (IEEE) — 2018
- Association for Computing Machinery (ACM) — 2018
- Kappa Kappa Psi, National Honorary Band Fraternity (KKΨ) — 2016 – 2018
- Upsilon Pi Epsilon (UPE) — 2016 – 2018
- University of Connecticut Marching Band — 2015 – 2018
- Tri-M Music Honor Society — 2013 – 2018

INDUSTRY EXPERIENCE

Optum Technology, Boston, Massachusetts, USA

- Technology Development Project Intern — Jun 2017 – Aug 2017
  - Development of a machine learning pipeline for automatic claim adjudication

LANGUAGES

- English: Native language.
- Spanish: Limited Working Proficiency (speaking, reading, writing).

REFERENCES

- **Dr. Mukul Bansal**
  Assistant Professor of Computer Science and Engineering
  University of Connecticut
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- **Dr. Ion Mandoiu**
  Professor of Computer Science and Engineering
  University of Connecticut
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- **Dr. Paul Lewis**
  Professor of Ecology and Evolutionary Biology
  University of Connecticut
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COURSES

- **Computer Science**
  - Algorithms
  - Artificial Intelligence
  - Big Data Analytics
  - Bioinformatics
  - Computational Methods for Evolutionary Genomics
  - Data Structures and Object Oriented Programming
  - Machine Learning
  - Software Engineering
  - Systems Programming
  - Theory of Computation
- **Math and Statistics**
  - Calculus I & II
  - Introduction to Statistics
  - Linear Algebra
  - Multivariable Calculus
- **Biology and Chemistry**
  - Biochemistry
  - Cell Biology
  - Genetics
  - Molecular Evolution
  - Organic Chemistry
  - Phylogenetics

[*CV compiled on 2018-09-15*]