

Alan Wilder

OBJECTIVE

Currently seeking software developer position. Self-taught full-stack web developer with experience in Ruby on Rails, JavaScript, HTML, CSS, jQuery, and Node. See ongoing portfolio project at **teachable1.herokuapp.com**, with source code available at **bitbucket.org/ajowilder/teachable/src**. LinkedIn available at **<https://www.linkedin.com/in/alan-wilder-08829032/>**.

EDUCATION

M.S. Biophysics (June 2011)
University of California, Davis, CA

B.S. Biochemistry, B.A. Chemistry (December 2006)
College of Charleston, Charleston, SC

EXPERIENCE

Chapel Hill High School, Chapel Hill, NC Aug. 2014 — June 2017
Science Teacher

- Lateral entry teacher at one of the top public high schools in the state.
- While working as a full-time teacher, took classes to obtain teaching license.
- Coach for Science Olympiad team.

USDA US Vegetable Lab, Charleston, SC Aug. 2012 — June 2014
Research Technician

- Published Paper in The Plant Journal: "The bottle gourd genome provides insights into Cucurbitaceae evolution and facilitates mapping of a Papaya ringspot virus resistance locus," November 12, 2017.

College of Charleston, Charleston, SC Jan. 2013 — May 2014
Adjunct Instructor – Chemistry Lab

Trident Technical College, Charleston, SC Aug. 2012 — Dec. 2012
Adjunct Instructor – Chemistry Lab

Fusion Academy, Hermosa Beach, CA Nov. 2011 — May 2012
Teacher / Mentor

- Experimental private school for grades 6-12 where every course is taught one-on-one.

University of California, Davis, CA Aug. 2008 — June 2011
Teaching Assistant / Graduate Student Researcher

- Research assistantships in fluorescent microscopy and advanced magnetic spectroscopy.
- Master's Thesis: A Cellular Biophysics Textbook.

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Medical University of South Carolina, Charleston, SC

Nov. 2006 — May 2008

Research Specialist

- First-authored publication: "A systems approach demonstrating sphingolipid-dependent transcription in stress responses." *Methods in Molecular Biology* 2008; 477:369-81.

Michigan State University, East Lansing, MI

May 2006 — Aug 2006

Undergraduate Research Assistant

- Undergraduate thesis: "Advanced Magnetic Resonance Studies of Photosystem II."

College of Charleston, Charleston, SC

May 2005 — May 2006

Undergraduate Research Assistant

SCIENTIFIC PUBLICATIONS

Wu S, Shamimuzzaman M, Sun H, Salse J, Sui X, Wilder AJ, Wu S, Levi A, Xu Y, Ling KS, Fei Z. "The bottle gourd genome provides insights into Cucurbitaceae evolution and facilitates mapping of a Papaya ringspot virus resistance locus." *The Plant Journal*, Nov 12, 2017. Article ID: TPJ13722.
<https://www.ncbi.nlm.nih.gov/pubmed/28940759>

Wilder AJ. "A Cellular Biophysics Textbook." UC-Davis, June 2011.
<https://search.proquest.com/docview/897972563/abstract>

Wilder AJ, Cowart LA. "A systems approach demonstrating sphingolipid-dependent transcription in stress responses." *Methods in Molecular Biology* 2008; 477:369-81.
<https://www.ncbi.nlm.nih.gov/pubmed/19082961>