

Dmitri Grozdanov



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www.mamaliga.me

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Education:

University of North Carolina at Chapel Hill

Chapel Hill, NC (Class of 2018)

- ❖ B.S., Computer Science
- ❖ B.A., Romance Studies - Hispanic Literature and Cultures

Centro Internacional de Estudios Culturales

Seville, Spain (May - June 2016)

- ❖ Via UNC Spanish immersion summer study abroad program.
- ❖ Studied Spanish language, literature, history, diversity, and culture.

Skills:

- ❖ Heavy experience with web development (HTML5/CSS3, Javascript/JS frameworks, PHP/SQL, and databases) and Java object-oriented coding.
- ❖ Strong familiarity with discrete and data structures, computer organization, internet services and protocols (TCP programming), models of language and computation, accessible web development, and computer security.
- ❖ Bilingual fluency in English and Russian, along with keen Spanish reading, writing, and speaking skills.
- ❖ Current webmaster and server maintainer of a self-hosted, NGINX-based Linux server (www.mamaliga.me).

Activities:

- ❖ Participated at HackNC 2015 and 2016, most recently working on a canvas-based Battleship game written in HTML and Javascript.
- ❖ Volunteer at UNC's Maze Day (2015 - present), where CS students showcase games they have designed to blind and visually impaired children.
- ❖ Proven leadership experience from having served as the computer science representative at the UNC Science Expo, a guide at the computer science department's open house, and occasionally as a volunteer tutor at the UNC Computer Science Club.

Experience:

Accessible Web Developer, UNC Department of Computer Science (August 2016 - Present)

Reference: Gary Bishop, Computer Science Professor: gb@cs.unc.edu

- ❖ Worked to develop a learn-to-type game for blind children under the supervision of a distinguished professor of computer science.
- ❖ Utilized a mixture of Javascript, jQuery, PHP, SQL, Firebase, Bootstrap, Pixi.js creation engine, HTML5, and CSS3.
- ❖ Users will be able to submit their own text input for use as prompts in the game, which is filtered for potential XSS attacks.
- ❖ The game makes use of a login system, a high scores system, a comments and ratings system, and text-to-speech narration.
- ❖ Features Google Analytics for analyzing the game user base and Google Firebase for its user authentication system and scalable backend.
- ❖ Incorporated Pixi.js for displaying graphical elements (for parents, teachers, etc.) and Artyom.js for voice recognition (for blind users).
- ❖ Work-in-progress can be found at www.mamaliga.me/maze-day/tenacious-typing.html.

Assistant Programmer, Startup (September 2015 - Present)

Reference: Vignesh Balasubramaniam, Chief Android Programmer: vigg96@cs.unc.edu

- ❖ Worked on a startup with fellow UNC computer science and economics students.
- ❖ Assisted in the development of an Android app and a Polymer web app that makes online bookings simple for local bands and musicians.
- ❖ Helped to configure a Linux server to host our app and to manage its database.
- ❖ Attended frequent "Carolina THINK" entrepreneurship club sessions to help market the app to potential clients and investors.
- ❖ Work-in-progress can be found at <https://musicagent.duckdns.org>.

Sales Consultant, Best Buy (October 2012 - Present)

Reference: Edmond Eaddy, General Manager: edmond.eaddy@bestbuy.com

- ❖ Employed since the age of 16 in the computer department; introduced to a plethora of computer hardware, software, and customer service.

Office Assistant, UNC Department of Computer Science (August 2014 - May 2016)

Reference: Melissa Wood, Business Manager: wood@cs.unc.edu

- ❖ Helped to administer the UNC computer science department's WordPress website by posting articles, fixing links, and resolving errors.
- ❖ Directly assisted computer science professors with course logistics, scheduling, and by manipulating database information.
- ❖ Assisted with planning and staffing most events held in our department, where I was introduced to many employers, lecturers, and to Maze Day.
- ❖ Collaborated with building staff, researchers, professors, local media, and numerous high-profile visitors.