

Peter Iordanov

piordanov.github.io
708.977.9988 | peter@bulbyte.com

EDUCATION

UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN

B.S. IN COMPUTER SCIENCE

Graduated: May 2017
College of Engineering

Cum. GPA: 3.30 / 4.0

LINKS

Github:// piordanov
LinkedIn:// peter-iordanov
Devpost:// piordanov

COURSEWORK

UNDERGRADUATE

Applied Parallel Programming
Algorithms & Models of Computation
Theory II (Advanced Algorithms)
Programming Languages & Compilers
Data Structures
Art of Web Programming
Artificial Intelligence
Applied Machine Learning
Interactive Computer Graphics
Virtual Reality
User Interface Design

SKILLS

PROGRAMMING

Comfortable With:
JavaScript • Python • SQL • Django •
Unity • HTML • React • Git

Familiar:
CSS • Java • Webpack/Babel • CUDA
Haskell • Golang • D3.js • Angular.js

ACCOMPLISHMENTS

HONORS

Boy Scouts of America: Eagle Scout Rank

President's Award Program Honors

Gamebuilder's Game-build-a-thon:
1st Place

EXPERIENCE

REALITY VIRTUALLY HACKATHON | 2ND PLACE GRAND PRIZE IN VR

Oct 2017 | MIT

- In a team of four, created an environment for both the elderly and hospital patients to explore worlds outside their current setting while receiving much needed movement and exercise
- calibrated a HOVR exercise device with Vive trackers to record the number of steps a user was making and moved him in the virtual world accordingly

FULCRUM GT | SOLUTIONS ENGINEER

May 2017 - Ongoing | Chicago, IL

- Designed and prototyped a full-stack product for lawyers to quickly visualize profitability margins alongside several team members
- Developed a Django RESTful API to retrieve data from predictive models, and a React/Mobx UI frontend to consume it

ILLINOIS APPLIED RESEARCH INSTITUTE | SOFTWARE INTERN

June 2016 - Aug 2016 | Champaign, IL

- Full Stack Developer - wrote test-driven code to manage user interactions and validate registration with Angular.js, Django, and Karma
- Graphed data from both weather station and simulation sources with D3.js
- Created the open-source CUDAdillo library to aid in research projects

PROJECTS

CUDADILLO Summer 2016 | Champaign, IL

- A static C++ library to complete basic matrix operations on Armadillo matrices with the intent to speed up runtime through the use of CUDA and cuBLAS GPU libraries
- Tested with use of google-benchmark against optimized CPU implementations

IEFX PROJECTS Fall 2013 | Champaign, IL

- Worked in a team to design a concept aircraft to drop critical payloads to isolated places
- Used Arduino's to communicate GPS data to a ground control station
- Contributed to meeting weekly goals by continuous research and implementation of Arduino C code

TEACHING

SPLASH TEACHING | TEACHER

Spring 2015 and Spring 2016, Champaign, IL

- Prepared and led a team of students to run a Virtual Reality Workshop for 30 students where they got to learn basic ideas behind virtual reality
- Prepared and conducted lectures on Data Structures and Conway's Game of Life to high school students

CS 125: INTRO TO COMPUTER SCIENCE | COURSE ASSISTANT

Spring and Fall 2014 | Champaign, IL

- Reinforced course concepts to students in discussion sections
- assisted in debugging code and setting up the Eclipse IDE with students during weekly office hours