

Muhand Jumah

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<http://www.muhandjumah.com> | <https://github.com/muhand>

EDUCATION

The City University of New York, College of Staten Island

Bachelor of Science Double Major: Computer Science, Mathematics

Relevant Coursework

Discrete structures and algorithms (I & II), C++ Programming (I & II), Database Fundamentals, Java (OOP), Software Engineering, Operating Systems, Computer Graphics (OpenGL), Artificial Intelligence, Image Processing (OpenCV)

TECHNICAL SKILLS

Programming Languages: C++, C#, Java, Python, HTML, PHP, ASP.Net, CSS, JavaScript, SQL, XAML, Rust, Typescript

Frameworks: .NET, .NET Standard, ASP.NET, Node.js, Xamarin, Bootstrap

Technologies: Nuget, Git, Travis-ci, npm

Design Patterns: MVC, MVVM, MVP

Applications: Proficient in Microsoft Office, Dreamweaver, Photoshop, Unity3D, Vagrant, and MySQL Workbench

Operating Systems: Windows (95, 98, 2000, XP, Vista, 7, 8, 10, server), Mac OS, Linux/Unix

RELEVANT EXPERIENCE

ComputerTech251 YouTube Channel

Apr 2012 – Present

Founder

- Provide online tutorials and tips on programming, protection against hackers, maintaining computers

The City University of New York, College of Staten Island

Aug 2016 – May 2017

Oil Spill in the Ocean, *Research Project*

- Using python, a simulator was developed to predict oil spill based on “Lattice Boltzmann” method

NYC Tech Talent Pipeline - CUNY Tech Prep

June 2016 – May 2017

Full-Stack Developer

- Designed and built a full stack JavaScript web application with 2 other developers to address tutoring problems in colleges
- Implemented app with Node + Express and Sequelize for the backend and HTML, CSS, JQuery, Handlebars, and bootstrap for a responsive front end; performed automated testing with Mocha / Chai; deploy to Linux VPS on Google Cloud Platform

The City University of New York, College of Staten Island

Aug 2015 – May 2017

Computer Science Adjunct/CLT

- Assist lecturing the class
- Provide solutions to technical issues and maintain laboratory equipment

The City University of New York, College of Staten Island

Feb 2015 – Aug 2016

C++/C#/Java Tutor

- Provided one to one mentoring on C++

The City University of New York, College of Staten Island

Apr 2015 – Jun 2016

Smart Home for Elders and Disable, *Research Project*

- Built simple circuit boards that communicate with each other, a controller and a receiver circuit boards
 - Programmed these boards with a wireless chip using “C” to receive HTTP requests to process the information
 - Created a simple webserver using Python to run as a main server on a Raspberry PI Linux OS
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ADDITIONAL EXPERIENCE

Network for Teaching Entrepreneurship

Sep 2011 – Jun 2012

Young Business man

- Created a business plan (Teaching-Time) that would later be utilized by a startup business
- Presented business plan to various panels of judges along with over thousand audience as part of a national challenge

Teaching-Time

www.time-guard.com

- Built an automated facial recognition software that aids school management by performing multiple tasks such as, taking attendance, calling parents of absent/late students, print papers (i.e. students reports, exams)
 - Given positive feedback by Steve Mariotti (Founder of NFTE) in the Huffington Post (<http://huff.to/1IKamrT>)
"From my perspective, the favorite to win was Muhand Jumah, the developer of facial recognition software..." Steve Mariotti
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OTHER SKILLS

Public Speaking: Finalist in NFTE national competition, requiring presenting to an audience of thousands.

Languages: Fluent in reading and writing Arabic

AWARDS

- **Network for Teaching Entrepreneurship:** 2nd place in NFTE's competition; **June 2013**
- **Honors in the Major:** Computer Science; **May 2017**
- **Austin Tuzhilin Memorial Award;** **May 201**