Almas Baimagambetov

Statement

I am an active researcher in the field of automated diagram generation. I teach a range of Computer Science modules to 1st, 2nd and 3rd year university students. I am the author and maintainer of FXGL, a game engine used by multiple academic institutions to teach game development. I contribute to a number of open-source projects on GitHub. I run an educational YouTube channel covering game and software development.

Work Experience

Oct. 2017 - Present	Part-time Lecturer & Module Leader in Game Development University of Brighton, UK
Oct. 2015 - Present	Education Support Software Developer University of Brighton, UK
Oct. 2015 - Oct. 2017	Hourly-Paid Lecturer in Programming and Game Design & Development University of Brighton, UK
June 2014 - Oct. 2016	English-Russian Interpreter (Zero-Hour Contract) LLP AktubNIGRI, Kazakhstan
Jan 2013 - Oct. 2016	In-house Programmer (Zero-Hour Contract) LLP AktubNIGRI, Kazakhstan
Oct. 2012 - Feb. 2015	Guest Speaker and Mentor for IT students (Volunteer) Bellerbys College, UK

Education

July 2015 - Present (Expected Oct. 2018)	PhD in Computing, Engineering and Mathematics Thesis: Automated Visualization of Grouped Networks Keywords: Set Theory, Graph Theory, Topology, Computational Geometry & Graphics, Euler Diagrams University of Brighton, UK · Research
Oct.2012 - July 2015	BSc in Computer Science (Games), University of Brighton, UK First Class Honours · Final Year Project: Analysis of Software Development Issues in Large Scale Games Grade: 87% (A+) · Modules Studied
Sept. 2011 - June 2012	Foundation Degree in IT, Bellerbys College, UK Grade: 94% (A+)
July 2011	English Language Training, St. Giles International, UK Final Level: Advanced

Scholarships and Certificates

Sept. 2015   International Research Scholarship, University of Brighton

July 2015   Best Final Year Development Project, University of Brighton

Nov. 2014   Academic Merit Based Scholarship, University of Brighton

Nov. 2013   Academic Merit Based Scholarship, University of Brighton

June 2012   Top #1 Foundation Student, Bellerbys College

May 2012   Best IT Student, Bellerbys College

Languages

English: Fluent / Professional
Kazakh: Native
Russian: Native

Key Personal Skills

- Theoretical and analytical problem-solving skills

- Self-motivated, hard-working and independent

- Ability to quickly adapt to new technologies and learning environments

- Ability to quickly establish inter-personal communication

- Ability to lead, manage and oversee different aspects of various development projects

Technical Skills

Beginner: Unity, SQL, HTML, CSS, Haskell, Python, Node.js, Spring
Intermediate: C++, JS, SDL2, OpenGL, Git, Win/Mac/Linux, Agile, LaTeX,
                Algorithms and Data Structures
Advanced: Java, JavaFX, Kotlin,
            Game Engine Development (ECS, AI, UI, IO, serialization,
            physics, event systems, networking, scripting, etc.),
            API Design, TDD, FDD, DDD, CI,
            Software Development Principles and Practices

Interests and Activities

Game Development, Software Development, Computer Science
Data Visualization, Automated Graphical Layout Generation
Education, Technology, Open-Source
Chess

Research Talks

May 2017	Novel Algorithm for Euler Diagram Generation (UoB Conf.)
March 2017	Data Visualization Workshop (Presenter at Data Vis Brighton Meetup)
Feb. 2017	An Inductive Approach to P-preserving Euler Diagram Generation (VMG Talk)
June 2016	Grouped Networks and Associated Challenges (UoB Conf.)
May 2016	Euler Diagram Generation Techniques (VMG Talk)

Publications

1. Baimagambetov, Almas, Howse, John, Stapleton, Gem and Delaney, Aidan (2018) Generating Effective Euler Diagrams In: 10th International Conference on the Theory and Application of Diagrams, Edinburgh, 18-22 June 2018.

2. Baimagambetov, Almas (2018) Automated Visualization of Grouped Networks In: Graduate Symposium 10th International Conference on the Theory and Application of Diagrams, Edinburgh, 18-22 June 2018.

BSc in Computer Science (Games)

Grades

Module	Grade	Credits
Mobile Application Development	A+	20
Programming languages, concurrency and client server computing	A	20
Applied Intelligent Systems	A+	10
Emerging Games Technologies	A+	20
Computer Graphics Algorithms	A+	10
Final Year Project	A+	40

Weighted average mark across modules: 83%

Links and Contact Details

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