

# ALMAS BAIMAGAMBETOV

## 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	(VOLUNTEER) GUEST SPEAKER AND MENTOR FOR IT STUDENTS BELLERBYS COLLEGE, UK

## EDUCATION

---

JULY 2015 - PRESENT	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	<a href="#">RESEARCH</a>
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+)	<a href="#">MODULES STUDIED</a>
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, OPENGGL, GIT, WIN/MAC/LINUX, AGILE, ~~BT~~TEX, 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

---

EDUCATION, TECHNOLOGY, OPEN-SOURCE, SOFTWARE DEVELOPMENT, COMPUTER SCIENCE  
DATA VISUALIZATION, AUTOMATED GRAPHICAL LAYOUT GENERATION  
CHESS

## RESEARCH

DEC. 2017	EFFECTIVE VISUALIZATION OF SETS IN GROUPED NETWORKS (DIAGRAMS 2018 CONF.)
MAY 2017	NOVEL ALGORITHM FOR EULER DIAGRAM GENERATION
MARCH 2017	DATA VISUALIZATION WORKSHOP
MARCH 2017	DRAWING EFFECTIVE EULER DIAGRAMS
SEPT. 2016	VISUALIZATION OF GROUPED NETWORKS
JUNE 2016	GROUPED NETWORKS AND ASSOCIATED CHALLENGES
MAY 2016	EULER DIAGRAM GENERATION TECHNIQUES

---

## 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

---

## STATEMENT

I AM AN ACTIVE RESEARCHER IN THE FIELD OF AUTOMATED DIAGRAM GENERATION. I TEACH A RANGE OF THEORETICAL AND PRACTICAL 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 RUN AN EDUCATIONAL [YOUTUBE](#) CHANNEL COVERING GAME AND SOFTWARE DEVELOPMENT.

## CONTACT DETAILS AND PORTFOLIO

---

[GITHUB](#) | [LINKEDIN](#) | [A.BAIMAGAMBETOV@BRIGHTON.AC.UK](mailto:A.BAIMAGAMBETOV@BRIGHTON.AC.UK)