

KHACHATUR (CHRIS) TOVMASYAN

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WORK EXPERIENCE

TECHNOLOGY DEVELOPMENT ENGINEER (Aug 2022 – present)

ARPI SOLAR

- Designing and drafting site-specific residential and commercial solar PV systems for local customers.
- Supporting preliminary designs and working with CAD designers, electrical and civil engineers on tasks including PV system basis of design, layouts, and energy modeling assessments.
- A simulation of the future solar system based on Helioscope and PVsyst programs.
- Looking for new solar products, negotiating with sellers, and organizing shipping to Armenia.
- Doing daily monitoring of solar stations, finding and resolving problems of less performance.
- Finding ways to come true new, unique, and ambitious projects.

SOLAR ENGINEER (Aug 2021 – Aug 2022)

UNIQUE SOLAR DESIGN

- Designing and drafting site-specific residential and commercial solar PV systems for US companies from different states like CA, AZ, TX, FL, NV, TN, MA, MD, UT, etc.
- Supporting preliminary designs and working with CAD designers, electrical and civil engineers on tasks including PV system basis of design, layouts, and energy modeling assessments.
- A simulation of the future solar system based on Helioscope and PVsyst programs.
- Working to optimize PV system designs through the development, and revision of engineering tools and processes
- Contributing to company-wide initiatives to drive continual improvements in efficiency, tools, processes, and execution.
- Keeping in touch with structural engineers, plan checkers, and other partners to get a permit for each project as soon as it is possible.

SOLAR ENGINEER (May 2018 – Aug 2021)

INTER SOLAR CAD

- Designing and drafting site-specific residential and commercial solar PV systems for US companies from different states like CA, AZ, TX, FL, NV, TN, MA, MD, UT, etc.
- Supporting preliminary designs and working with CAD designers, electrical and civil engineers on tasks including PV system basis of design, layouts, and energy modeling assessments.
- A simulation of the future solar system based on Helioscope and PVsyst programs.
- Working to optimize PV system designs through the development, and revision of engineering tools and processes
- Contributing to company-wide initiatives to drive continual improvements in efficiency, tools, processes, and execution.
- Keeping in touch with structural engineers, plan checkers, and other partners to get a permit for each project as soon as it is possible.

CAMERA AND AUDIO OPERATOR/ FILM EDITING (September 2017 – April 2018)

BARS MEDIA

- Shooting of scenes according to guidance and requirements
- Collaborating with directors to determining shooting needs and requirements
- Providing creative input to scene planning and implementation

EDUCATION:

- **RUSSIAN-ARMENIAN UNIVERSITY** (2020 – 2021)
Master's Degree
Specialization: Alternative Energy
- **YEREVAN STATE UNIVERSITY OF ARCHITECTURE AND CONSTRUCTION** (2011 – 2015)
Bachelor Degree
Specialization: Architecture
- **PANOS TERLEMEZIAN YEREVAN STATE COLLEGE OF ARTS** (2007 – 2011)
Specialization: Sculpture
- **#20 SCHOOL AFTER JOHN KIRAKOSYAN** (1999-2007)

ARMED FORCES OF THE REPUBLIC OF ARMENIA (2015-2017)

Shahumyan region, Republic of Artsakh

Specialization: Artillery

SKILLS / KNOWLEDGE:

- AutoCAD, Sketchup
- PV system design, Solar analysis
- Load Analysis and Structural Reinforcement calculations
- Knowledge of National Electric Code (NEC)
- Strong technical writing & reporting skills

LANGUAGE KNOWLEDGE:

Armenian (native), English (fluent), Russian (fluent)

ADDITIONAL INFO/INTERESTS:

Other: Literature, Photography, Hiking.

DOB: 09/08/1993